ECOPA

COMPOSITE FIBERGLASS FORMWORK SYSTEM
KOMPOZITNI STEKLOVLAKNENI OPAŽNI SISTEM







GREEN PRODUCT TECHNOLOGY







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UHURU PEAK, TANZANIA 5895M. AMSL
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COMPOSITE FIBERGLASS FORMWORK SYSTEM
KOMPOZITNI STEKLOVLAKNENI OPAŽNI SISTEM

WALL SYSTEM
STENSKI SISTEM

- FOUNDATIONS = TEMELJI
- WALLS - ZIDOVI
- WALLS STRONG - ZIDOVI STRONG
- SHAFTS - JAŠKI
- COLUMNS - STEBRI

THE ADVANTAGES OF EPIC ECO SYSTEM
(WALLS, FOUNDATIONS, COLUMNS, SHAFTS)

PREDNOSTI SISTEMA EPIC ECO
(STENE, TEMELJI, STEBRI, JAŠKI)

1.PANELLING SYSTEM OF THE FUTURE

We complete our offer of lightweight and medium weight panelling systems with the introduction of selling and renting of plastic EPIC ECO systems. The EPIC ECO panelling systems are the systems of the future because composite plastics is the material that has already supplanted the application of metal in motoring, aviation, and other industries. Therefore, the same is expected to happen in the field of building construction panelling systems. They are much alike the LEGO cubes; they are simple, and have good mechanical qualities because they can hold 60 kN/m² - 1200 psf of panelling. They are made of mixture of polypropylene and special fibres, which enables constructions to hold high pressures.





The speed of panelling with the systems EPIC ECO is very fast, and abundant palette of elements allows the best possible panelling composition; no redundant area of system is installed, because the area of panelling almost completely matches the area covered in concrete.



OPAŽNI SISTEMI PRIHODNOSTI

Z uvedbo prodaje in izposoje plastičnih sistemov EPIC ECO zaokrožamo ponudbo lahkih in srednje težkih opažnih sistemov. Opažni sistemi EPIC ECO so sistemi prihodnosti, saj je kompozitna plastika material, ki je že izrinil uporabo kovin v avtomobilski, letalski in drugih industrijah in tako v EPIC-u pričakujejo, da bo enako v prihodnosti tudi na področju gradbenih opažnih sistemov. Podobni so LEGO kockam, saj so lahki, enostavni in beležijo mehansko dobre lastnosti, saj prenesejo obremenitve 60 kN/m² opaža. Hitrost opažanja je s sistemi EPIC ECO zelo velika, bogata paleta elementov pa dovoljuje optimalnost kompozicije opažanja – ne postavljajo se odvečni m² sistema,ker je površina opažanja skoraj enaka površini zmočeni z betonom.



2. LIGHTWEIGHT AND PURPOSE



The EPIC ECO panelling systems are particularly suitable for panelling of foundations, shafts of all kinds, or walls up to 4,2 metres / 14 ft high. They are also suitable for handwork because of their low weight that is 18 – 22 kg/m² / 40 - 48 lb/10 sqf together with the connective material. The EPIC ECO panelling system consists of 10 elements and 51 connective elements, which are suitable for all heights of builders due to their simpleness. The speed of panelling and low weight are only two of many advantages. The biggest element has 17,6 kg / 38,8 lb; the lightest competitive products are much heavier. The composition of 9,80 m / 32 ft width and 2,80 m / 9 ft height can be moved round by a console lift with the carrying capacity of 400 kg / 880 lb. EPIC offers simple foundations panelling at competitive price. The builders' biggest problem is either it is a great expense for them to use panelling systems, or panelling is complex and they need qualified carpenters when they are panelling in classic manner with shuttering panels.



MAJHNA TEŽA IN NAMENSKA UPORABNOST

EPIC ECO opažni sistemi so posebej primerni za opažanje temeljev, jaškov vseh vrst, sten do višine 4,2 m. Zaradi svoje majhne teže, ki znaša z veznim materialom 18-22 kg/m², so posebej primerni za ročno delo. Opažni sistem EPIC ECO sestavlja skupaj 10 elementov in 51 veznih elementov in so zaradi svoje enostavnosti primerni za vse vrste gradbincev, od najmanjših do največjih. Hitrost opažanja in majhna teža so dve od mnogih prednosti. Največji element je težak 17,60 kg , najlažji konkurenčni proizvodi so težji. Z konzolnim dvigalom do 400 kg se lahko premika 9,80 m široko in 2,80 m visoko kompozicijo sistema. S tem EPIC rešuje problem enostavnega in cenovno zelo konkurenčnega opažanja temeljev, ki vsem gradbincem predstavlja problem, bodisi zaradi visokih stroškov pri opažanju z opažnimi sistemi, bodisi zaradi kompliciranosti opažanja in potrebe po kvalificirani delovni sili (tesarji) pri klasičnem opažanju z opažnimi ploščami.

3. ADJUSTABILITY AND FLEXIBILITY OF THE ELEMENTS

A wide range of panelling systems enables optimum panelling composition; there are no superfluous square metres of the system because the panelling surface is very close or the same as the surface wetted with the concrete. The base height is 70 cm / 2,3 ft, 140 cm / 4,6 ft, and 280 cm / 9,2 ft, 350 cm / 11,5 ft and 420 cm / 14 ft. All the intermediate dimensions are possible because the elements are compatible vertically and horizontally. That is the optimum offer for panelling of foundations, shafts, low supporting walls, walls max. 4,2 metres / 14 ft high.



MODULARNOST IN FLEKSIBILNOST ELEMENTOV

Široka paleta elementov omogoča optimalizacijo kompozicije opažanja, kar pomeni, da se ne postavljajo odvečni m2 sistema, ker je površina opažanja zelo blizu ali enaka površini zmočeni z betonom.
Osnovna višina je 70 cm, 140 cm, 280 cm, 350 cm in 420 cm, seveda pa so možne vse vmesne dimenzije, saj so elementi kompatibilni vertikalno in horizontalno. To pomeni optimalno ponudbo za opažanje temeljev, jaškov, nizkih podpornih zidov, sten do 4,2 m, in kot tudi novost stropne plošče.





4. PRACTICAL TRANSPORTATION

The EPIC ECO panelling systems are easy to transport because they are low weight, so for the average smaller or medium size building we need a smaller truck for the 100 m² / 1076 sqf of the system with all the belonging elements has 2,2 tones / 4850 lb. Elements are packed on the up-to-size palettes for the base dimension of the elements. That enables easier transportation from one building site to another. On a big truck with a trailer over 300 m² / 3230 sqf of the system can be put, and that makes transportations costs lower.



PRAKTIČNOST PREVAŽANJA

EPIC ECO opažni sistemi so praktični za prevažanje , saj so nizke teže in tako za povprečno manjše ali srednje majhno gradbišče potrebujemo manjši kamion, saj je 100 m² sistema z vsemi pripadajočimi elementi težko le 2,2 T. Elementi so pakirani na paletah enakih osnovni dimenziji elementov, kar omogoča lažje premikanje z enega gradbišča na drugo. Na kamion s prikolico natovorimo cca 300 m² sistema EPIC ECO, kar omogoča dokaj nizke stroške transporta.



5. ECOLOGY – THE RECYCLING

The elements hold out up 7 years each day of panelling reproductions. You can use it after that the elements are bought back by EPIC by the market price for the material and milled where the new elements are made. Ecological safety is assured like this.

EKOLOGIJA , RECIKLAŽA ELEMENTOV

Elementi zdržijo več kot sedem let uporabe vsak dan, nato pa jih EPIC odkupi po tržni ceni materiala ter jih zmelje in naredi nove elemente. Tako je zagotovljena tudi ekološka varnost.

6. QUALITY OF THE PANELLING



A perfect treatment of the elements and optimal joints assure very smooth wall surfaces. Before being used for the first time, the elements are oiled with panel oil, and can be used without oiling for 6 –7 times. This way, these elements denote saving at work and consumption of panel oil. Cleaning the panels is easy because the concrete does not hold the surface.

The panelling systems EPIC ECO were tried out by our users in the extremely cold conditions. The panelling was easily carried out at the temperatures of -23 °C / -9.4 °F , where no damage was done to the panelling systems.

The panelling systems are distinguished especially by the low weight – the largest element has dimensions 140 x 70 x 10 cm / 4,6 x 2,3 x 0,3 ft and weights 17,6 kg / 38.8 lb. The quantity 100 m² / 1076 sqf of the system with all the binding materials weights 2,2 tonnes / 4850 lb, which lowers down the transport costs to a minimum; thus there are no costs for a crane and lifts, because the EPIC ECO systems can be installed manually.

KVALITETA OPAŽANJA

Perfektna obdelava elementov in optimalni spoji zagotavljajo zelo gladke površine zidov.

Pred uporabo se elementi naoljijo z opažnim oljem in nato so uporabni brez dodatnega oljenja po vsaki uporabi za 6-7 opažanj. Tako pomenijo tudi prihranek pri delu in porabi opažnega olja. Čiščenje opažev je enostavno , saj se beton ne prijema na površino.



Opažne sisteme EPIC ECO so naši uporabniki preizkusili tudi v izredno mrzlih pogojih. Opažanje je nemoteno potekalo tudi pri -23 °C in pri tem ni prišlo do poškodb opažnih sistemov.

Opažne sisteme odlikuje predvsem majhna teža - največji element dimenzije: 140 x 70 x 10 cm je težak 17,6 kg. 100m² sistema z vsem veznim materialom je težko 2,2 t – tako je strošek transporta minimalen ter na tak način odpadejo tudi stroški žerjava in dvigal – saj sistemi EPIC ECO omogočajo ročno delo.

7. COMPETITIVE PRICE

The material and innovatory process of production allow lower prime costs and therefore, the product is cheaper as well. The products are price competitive, and the price is going to go down as the serial production increases. In contrast to other offerers of panelling systems EPIC is going to offer EPIC ECO panelling system so the buyer is free of charge for the transportation to the site. That means further costs reduction and no time spent on organising the transportation.

KONKURENČNA CENA

Material in inovativen proizvodni proces omogočajo precej nižje stroške proizvajanja in posledično proizvoda. Cenovno so zato zelo konkurenčni , cena pa bo z večanjem serij proizvodnje in prodaje v prihodnosti padala.
Za razliko od ostalih ponudnikov opažnih sistemov bo EPIC opažni sistem EPIC ECO ponudil kupcem s pariteto dostavljeno do kupca na gradbišče , kar pomeni nadaljnje zmanjšanje stroškov in zmanjšanje izgube časa, povezane z organizacijo transporta.

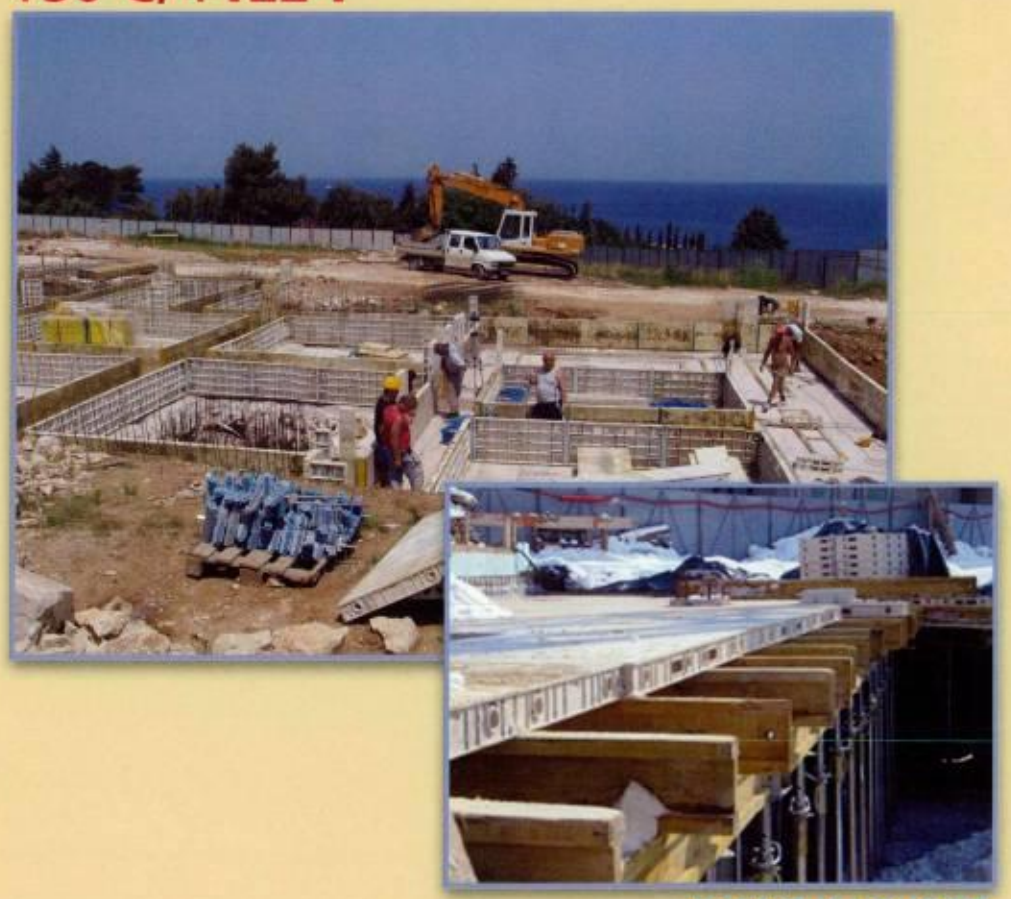
8. QUALITY OF BUILT IN MATERIALS

The used substance guarantees unlimited durability, it does not decompose nor oxidize.

KVALITETA VGRAJENIH MATERIALOV

Uporabljena snov garantira neomejeno časovno trajnost ter ne gnije, ne oksidira in prenaša velike temperaturne razlike.

+50°C/ +122°F



-23°C / -9.4°F

9. RENTING

Our company provides the complete engineering services, sales ad rental of panelling systems EPIC ECO SKY SPEED. For our clients who rent the panelling systems we also design a complete panelling plan and provide training on the construction site if the clients desire it.

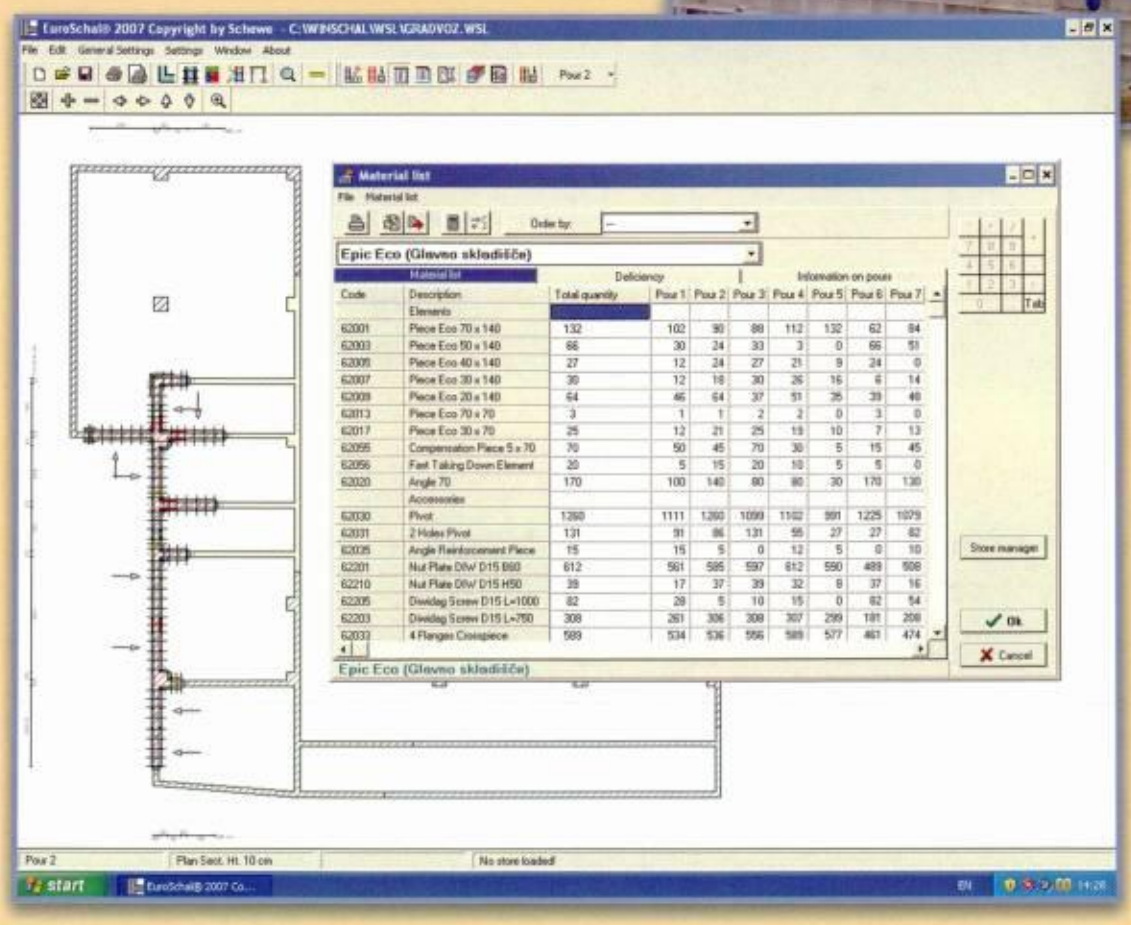
IZPOSOJA

V našem podjetju nudimo kompletni inženiring, prodajo in izposojo opažnih sistemov EPIC ECO, stropnih sistemov EPIC ECO SKY SPEED

Za naše najemnike opažnih sistemov izdelamo tudi celoten načrt opažanja in nudimo tudi inštruktažo na samem gradbišču, če je le-ta potrebna.







10. EPIC ECO PANELLING SYSTEMS REDUCE PANELLING COSTS

In EPIC they believe that with the introduction of the EPIC ECO plastic panels they have made costs for the panelling lower, especially of foundations and shafts of all kinds. The EPIC ECO will be mostly used by communal companies, building contractors, or small and middle-sized building companies. Big building companies will use them for panelling foundations and low shafts.

The systems EPIC ECO are already used by our partners in Croatia, Serbia, Russia, Belarus, Ukraine, Latvia, Estonia, Lithuania, Czech Republic , Romania, Spain, Portugal, Italy, Iceland, Norway, Kazakhstan, Bosnia and Herzegovina, USA, Mexico, Guatemala, Brazil, Israel, United Arab Emirates, Qatar, Oman, Lebanon, Morocco, Iran, Pakistan, South Africa, Australia and China.



EPIC ECO OPAŽNI SISTEMI OMOGOČAJO ZNIŽEVANJE STROŠKOV OPAŽANJA

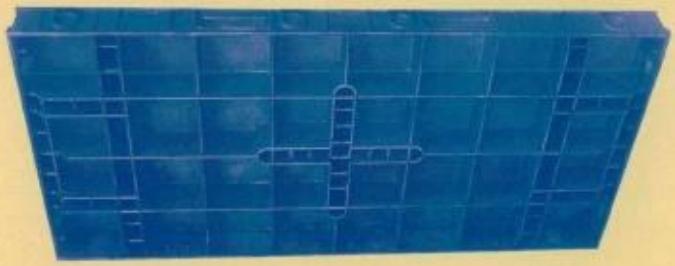
V EPIC-u verjamejo, da so z uvedbo opažev EPIC ECO v svoj program dodatno omogočili gradbenim podjetjem zniževanje stroškov opažanja, posebej na področju temeljev in opažanja zemeljskih jaškov vseh vrst, stebrov, sten ter stropov...



Sisteme EPIC ECO uporabljajo tudi naši partnerji v Hrvatski, Srbiji, Rusiji, Belorusiji, Ukrajini, Latviji, Estoniji, Litvi, Češki, Romuniji, Španiji, Portugalski, Italiji, Islandiji, Norveški, Kazahstanu, BiH-u, ZDA, Mexicu, Guatemali, Braziliji, Izraelu, Katar, Oman, Libanon, Maroko, Iran, Pakistan ter Južnoafriški republiki, Avstraliji in Kitajski.

11. ELEMENT EPIC ECO STRONG

It can withstand preasure of more than 120kN / 2400 psf and represents one of the most compact elements of ceiling and wall panelling in the world. Its characteristics can be compared with steel formwork panels, but EPIC ECO system is much lighter (45,6 lb / 20,7 kg)



TOČKOVNA OBREMENITEV EPIC ECO SPEED STRONG

Prenese obremenitev več kot 120 kN in predstavlja enega najbolj čvrstih elementov stropnega in stenskega opaža na svetu. Po svojih karakteristikah se lahko meri z železnimi opaži, od katerih pa je dosti lažji (20,7 kg)

COMPONENTS OF EPIC ECO SYSTEM
(WALLS, FOUNDATIONS, COLUMNS, SHAFTS)

ELEMENTI SISTEMA EPIC ECO
(STENE, TEMELJI, STEBRI, JAŠKI)



PIECE ECO STRONG 27,5 x 55 in
ELEMENT ECO STRONG 70 x 140 cm

Code / *Koda*: 62000
Weight / *Teža*: 45,6 lb / 20,7 kg



PIECE ECO 27,5 x 27,5 in
ELEMENT ECO 70 x 70 cm

Code / *Koda*: 62013
Weight / *Teža*: 16,7 lb / 7,60 kg



PIECE ECO 27,5 x 55 in
ELEMENT ECO 70 x 140 cm

Code / *Koda*: 62001
Weight / *Teža*: 43 lb / 19,50 kg



PIECE ECO 11,8 x 27,5 in
ELEMENT ECO 30 x 70 cm

Code / *Koda*: 62017
Weight / *Teža*: 8 lb / 3,70 kg



PIECE ECO 19,7 x 55 in
ELEMENT ECO 50 x 140 cm

Code / *Koda*: 62003
Weight / *Teža*: 28 lb / 12,60 kg



COMPENSATION PIECE 2 x 27,5 in
KOMPEZACIJSKI ELEMENT 5 X 70 cm

Code / *Koda*: 62055
Weight / *Teža*: 3 lb / 1,40 kg



PIECE ECO 15,7 x 55 in
ELEMENT ECO 40 x 140 cm

Code / *Koda*: 62005
Weight / *Teža*: 24 lb / 10,82 kg



FAST TAKING DOWN ELEMENT
ELEMENT ZA RAZOPAŽANJE

Code / *Koda*: 62056
Weight / *Teža*: 2,3 lb / 1,06 kg



PIECE ECO 11,8 x 55 in
ELEMENT ECO 30 x 140 cm

Code / *Koda*: 62007
Weight / *Teža*: 18,5 lb / 8,42 kg



ANGLE INTERNAL 280
NOTRANJI KOTNI ELEMENT 280

Code / *Koda*: 64001
Weight / *Teža*: 34,65 lb / 15,72 kg



PIECE ECO 7,9 x55 in
ELEMENT ECO 20 x 140 cm

Code / *Koda*: 62009
Weight / *Teža*: 12,3 lb / 5,57 kg



ANGLE EXTERNAL 280
ZUNANJI KOTNI ELEMENT 280

Code / *Koda*: 64000
Weight / *Teža*: 12,9 lb / 5,84 kg



ANGLE 27,5 in
KOTNI ELEMENT 70 cm

Code / *Koda*: 62020
Weight / *Teža*: 5,7 lb / 2,60 kg



3 FLANGES CROSSPIECE
KRIŽNI PRIMEŽ 3

Code / *Koda*: 62034
Weight / *Teža*: 1,25 lb / 0,57 kg



ANGLE JOINT
PODALJŠEK ZA KOTNI ELEMENT

Code / *Koda*: 62021
Weight / *Teža*: 0,6 lb / 0,28 kg



PIVOT
KLIN

Code / *Koda*: 62030
Weight / *Teža*: 0,28 lb / 0,13 kg



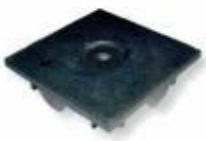
WASHER FOR ANGLE 70
OBJEMKA ZA KOTNI ELEMENT

Code / *Koda*: 71040
Weight / *Teža*: 0,24 lb / 0,11 kg



2 HOLES PIVOT
KLIN PODALJŠANI

Code / *Koda*: 62031
Weight / *Teža*: 0,46 lb / 0,21 kg



COVER FOR ANGLE 70
POKROV ZA KOTNI ELEMENT

Code / *Koda*: 69000
Weight / *Teža*: 0,57 lb / 0,26 kg



3 HOLES PIVOT
KLIN PODALJŠANI 3

Code / *Koda*: 62036
Weight / *Teža*: 0,47 lb / 0,21 kg



SIMPLE ALIGNER 2800
IZRAVNALNI ELEMENT 2800 - ENO-STAVEN

Code / *Koda*: 64610
Weight / *Teža*: 6,81 lb / 3,087 kg



WEDGE
ZAGOZDA

Code / *Koda*: 62032
Weight / *Teža*: 0,08 lb / 0,04 kg



SIMPLE ALIGNER 2200
IZRAVNALNI ELEMENT 2200 - ENO-STAVEN

Code / *Koda*: 64611
Weight / *Teža*: 2,27 lb / 4,99 kg



WASHER D. 40 / 52 - 15
OBJEMKA D. 40 / 52 - 15

Code / *Koda*: 64510
Weight / *Teža*: 0,04 lb / 0,02 kg



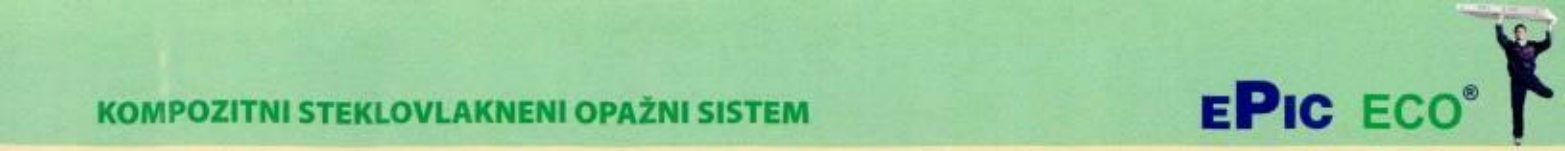
4 FLANGES CROSSPIECE
KRIŽNI PRIMEŽ 4

Code / *Koda*: 62033
Weight / *Teža*: 1,7 lb / 0,77 kg



COMPENSATION PIECE 13,4 x 27,5 in
KOMPENZACIJSKI ELEMENT 34 X 70 cm

Code / *Koda*: 62050
Weight / *Teža*: 4,4 lb / 2,00 kg





SLIDING BIVALENT ANCHORAGE
ZGORNJI DISTANČNI ELEMENT

Code / *Koda*: 62101
Weight / *Teža*: 0,37 lb / 0,17 kg



PLASTIC BOX
PLASTIČNI ZABOJ

Code / *Koda*: ACP
Weight / *Teža*: 4,14 lb / 1,80 kg



PIN
ZATIČ

Code / *Koda*: 62102
Weight / *Teža*: 0,04 lb / 0,02 kg



WEDGE EXTRACTOR
KLJUČ ZA ZAGOZDE

Code / *Koda*: 62200
Weight / *Teža*: 3,5 lb / 1,59 kg



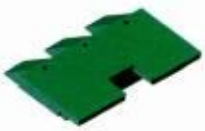
PERFORATED SPACER 785
PERFORIRANI DISTANČNIK 785

Code / *Koda*: 62103
Weight / *Teža*: 0,6 lb / 0,28 kg



NUT PLATE DIW D15 B60
ECO MATICA DIW D15 B60

Code / *Koda*: 62201
Weight / *Težat*: 1,08 lb / 0,49 kg



BASIC ANCHORAGE
SPODNJI DISTANČNIK

Code / *Koda*: 62100
Weight / *Teža*: 0,24 lb / 0,11 kg



NUT PLATE DIW D15 H50
ECO MATICA DIW D15 H50

Code / *Koda*: 62210
Weight / *Teža*: 0,48 lb / 0,22 kg



WASHER
OBJEMKA

Code / *Koda*: 62057
Weight / *Teža*: 0,008 lb / 0,004 kg



DIWIDAG SCREW D15 L=29,5 in
DIWDAG VIJAK D15 L=750 mm

Code / *Koda*: 62203
Weight / *Teža*: 2,4 lb / 1,10 kg



WEDGE FOR ALIGNER CLAMP
ZAGOZDA ZA IZRAVNALNO KONZOLO

Code / *Koda*: 64501
Weight / *Teža*: 0,41 lb / 0,19 kg



DIWIDAG SCREW D15 L=39 in
DIWDAG VIJAK D15 L=1000 mm

Code / *Koda*: 62205
Weight / *Teža*: 3,17 lb / 1,44 kg



ALIGNER CLAMP
IZRAVNALNA KONZOLA

Code / *Koda*: 64500
Weight / *Teža*: 1,76 lb / 0,80 kg



DIWIDAG SCREW D15 L=59 in
DIWDAG VIJAK D15 L=1500 mm

Code / *Koda*: 62207
Weight / *Teža*: 4,76 lb / 2,16 kg

SUPPLEMENT COMPONENTS OF EPIC ECO SYSTEM FOR WALLS

DODATNI ELEMENTI SISTEMA EPIC ECO ZA ZIDOVE



ALIGNER CLAMP 2800
IZRAVNALNI ELEMENT 2800

Code / *Koda*: 64600
Weight / *Teža*: 16,20 lb / 7,35 kg



ALIGNER CLAMP 300
IZRAVNALNI ELEMENT 300

Code / *Koda*: 64604
Weight / *Teža*: 1,72 lb / 0,78 kg



ALIGNER CLAMP 700
IZRAVNALNI ELEMENT 700

Code / *Koda*: 64601
Weight / *Teža*: 4,12 lb / 1,868 kg



ALIGNER CLAMP 200
IZRAVNALNI ELEMENT 200

Code / *Koda*: 64605
Weight / *Teža*: 1,19 lb / 0,54 kg



ALIGNER CLAMP 500
IZRAVNALNI ELEMENT 500

Code / *Koda*: 64602
Weight / *Teža*: 2,94 lb / 1,335 kg



JOIN FOR A LINER CLAMP - LONG
POVEZOVALNI ELEMENT - DOLGI

Code / *Koda*: 64621
Weight / *Teža*: 3,83 lb / 1,735 kg



ALIGNER CLAMP 400
IZRAVNALNI ELEMENT 400

Code / *Koda*: 64603
Weight / *Teža*: 2,29 lb / 1,038 kg



JOIN FOR A LINER CLAMP - SHORT
POVEZOVALNI ELEMENT - KRATKI

Code / *Koda*: 64620
Weight / *Teža*: 2,37 lb / 1,075 kg



ALIGNER EXTENSION
PODALJŠEK IZRAVNALNEGA ELEMENTA

Code / *Koda*: 64630
Weight / *Teža*: 2,20 lb / 1 kg



USAGE OF EPIC ECO SUPPLEMENT COMPONENTS

UPORABA EPIC ECO DODATNIH ELEMENTOV

Additional supplement components we can use for:
A. double reinforcement aligner for elements
B. steps wall
C. 5cm filler between two elements
D. aligner on the bottom instead of wood

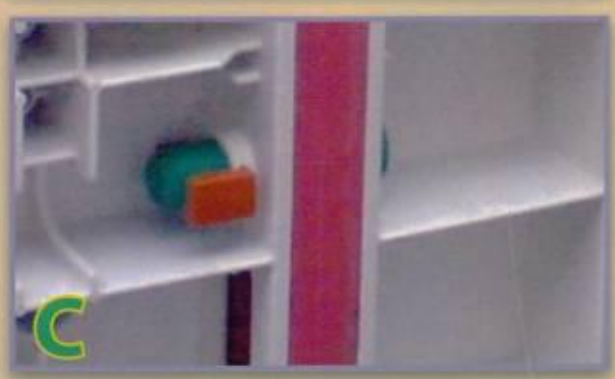
Dodatne elemente EPIC ECO lahko uporabimo za:
A. *dvojnik oziroma izravnavo in ojačitev elementov*
B. *stopničaste zidove*
C: *5cm polnila med elementi*
D: *talne izravnave namesto lesa*













COLUMN REINFORCEMENT 7,9 - 23,6 inch

OJAČEVALEC ZA STEBRE 20 - 60 cm



BRACKET FOR PILE WITH BRACKET PIN
VEZNIK ZA STEBER Z ZATIČEM

Code / *Koda*: 64010
Weight / *Teža*: 2,43 lb / 1,10 kg



WEDGE K
ZAGOZDA K

Code / *Koda*: 64622
Weight / *Teža*: 0,34 lb / 0,155kg



BRACKET PIN
ZATIČ VEZNIKA ZA STEBER

Code / *Koda*: 64011
Weight / *Teža*: 0,03 lb / 0,014 kg

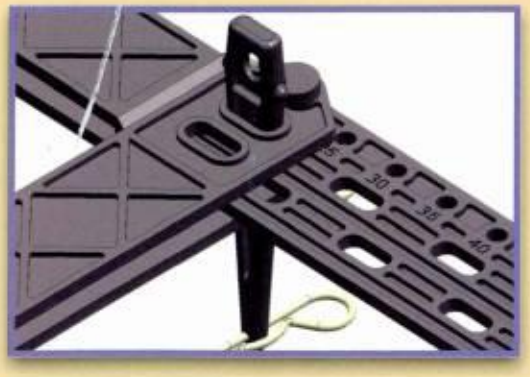


SPRING CLAMP
ZAPONKA

Code / *Koda*: 64623
Weight / *Teža*: 0,02 lb / 0,007 kg









USER PLUS SUPPLEMENT MATERIAL EPIC ECO

POTROŠNI IN DODATNI MATERIAL EPIC ECO



PLUG DIAMETER 20
ČEP 20

Code / *Koda*: 63000
Weight / *Teža*: 0,003 lb / 0,0016 kg



ROSETTE 0,86 in
ROZETA 22 mm

Code / *Koda*: 002524
Weight / *Teža*: 0,008 lb / 0,004 kg



BORER d. 0,7/1 in
SVEDER d. 20/26 mm

Code / *Koda*: 62300
Weight / *Teža*: 2 lb / 0,9 kg



RUBBER PLUG 0,86 in
GUMI ČEP 22m

Code / *Koda*: 000942
Weight / *Teža*: 0,015 lb / 0,007 kg



PUMP FOR APPLYING ECO2
BRIZGALKA ZA NANAŠANJE ECO2

Code / *Koda*: K6S
Weight / *Teža*: 3,6 lb / 1,63 kg



PLUG FOR ROSETTE 1000 pcs
ČEP ZA ROZETO 1000 kos

Code / *Koda*: 003262
Weight / *Teža*: 0,003 lb / 0,0016 kg



PRODUCT FOR REPAIRING ECO 3
PRODUKT ZA PORAVILO ELEMENTA ECO 3

Code / *Koda*: 71000
Weight / *Teža*: 11,08 lb / 5,03 kg



DISTANCER WITH ROSETTE
5,9 - 7,9 - 9,8 - 11,8 in
DISTANČNIK Z ROZETO
150, 200, 250, 300 mm

Weight / *Teža*: 0,06-0,1 lb / 30-50 g



ACID FOR DISSOLVING ECO2
KISLINA ZA RAZTAPLJANJE ECO2

Code / *Koda*: 03395
Weight / *Teža*: 6,6 gal / 25,2 l



RUBBER HAMMER
GUMJASTO KLADIVO

Code / *Koda*: 001183
Weight / *Teža*: 2,2 lb / 1 kg



PLASTIC TUBE l = 6,56 ft
CEV JUVIDUR l =2 m

Code / *Koda*: 004246
Weight / *Teža*: 0,88 lb / 0,4 kg



FORMWORK OIL
OPAŽNO OLJE

Code / *Koda*: 004751
Weight / *Teža*: 38 lb / 17,2 kg

ASSEMBLING EPIC ECO (FOUNDATIONS, WALLS, COLUMNS, SHAFTS)

MONTAŽA EPIC ECO (TEMELJI, STENE, STEBRI, JAŠKI)



Always start assembly with an angle piece. The expanded part of the hole must be on the upper side of the panel.
Začetek montaže vedno z vogalnikom, ki je pravilno obrnjen in sicer razširjen del luknje mora biti na vrhu.



Correctly insert the angle joint for the next angle piece if necessary. The expanded part of the hole must be on the upper side. (Image 6)
Pravilno vstavitev podaljška za kotni element za naslednji vogalnik, če je to potrebno.Zopet pravilno obrnjene luknje (slika 6).



Put in the next angle piece and repeat until the desired height.
Postavitev naslednjega vogalnika in to ponavljati do željene višine.



Insert the pivot into the angle piece. The pivot must be placed with the marked hole facing the assembly side, since the hole is wider there.
V vogalnik vstavimo klin za katerega je pomembno, da je obrnjen z označeno luknjico proti vam, oziroma proti strani kjer se sestavlja opaž, ker je tam luknja širša.



When all the pivots are in place start adding the elements.
Ko so vsi klini vstavljeni, pričnemo z dodajanjem elementov.



The elements are added according to plan. The angle piece with the element must be tightly in place.
Elemente dodajamo po načrtu, vogalnik z elementom pa mora biti tesno skupaj.



Angle pieces require washers due to the length of the pivot.
Pri vogalih potrebujemo objemke zaradi dolžine klina.



When putting in the wedge it is important that the bracket always faces the panel. If not, it will be impossible to use the wedge key for disassembly.
Pri vstavljanju zagazde je pomembno, da je uhelj obrnjen vedno proti opažu.V nasprotnem primeru ne moremo uporabiti ključa za zagazde pri demontaži.



When the angle reaches its final height, it is crucial to protect the top with an angle lid due to the entry of concrete.
Ko pri vogalniku končamo višino je pomembno, da vrh zaščitimo s pokrovom za vogalnik zaradi vhoda betona.

ASSEMBLING EPIC ECO (FOUNDATIONS, WALLS, COLUMNS, SHAFTS)

MONTAŽA EPIC ECO (TEMELJI, STENE, STEBRI, JAŠKI)



Finished angle shown from the inner side.
Prikaz končanega notranjega vogala z notranje strani.



Finished angle shown from the outer side.
Prikaz končanega notranjega vogala z zunanje strani.



Continue assembling the elements. Make sure the pivot is turned as indicated.
Nadaljujemo s sestavo elementov, pri katerih je pomemben pravilno obrnjen klin in oznaka klina, kot je na sliki.



Insert the wedge as shown, with the mounting bracket facing the panel side.
Vstavimo zagozdo, kot je na sliki, uhelj proti stranici opaža.



Mount the wedge with a rubber hammer.
Zagozdo pritrdimo z gumi kladivom.



Mount the crosspieces to connect the elements.
Nastavimo križe tako, da povežejo elemente.



4-flange crosspieces are always placed diagonally on an element as shown.
Vsi križi 4 so na enem elementu vedno v diagonali kot je prikazano na sliki.



Insert the Diwidag nuts and bolts.
Vstavimo diwidag vijake in matice.



3-flange crosspieces are used if elements are turned horizontally or for the angles.
Križe 3 uporabljamo, če elemente obračamo horizontalno, oziroma pri vogalih.

ASSEMBLING EPIC ECO (FOUNDATIONS, WALLS, COLUMNS, SHAFTS)

MONTAŽA EPIC ECO (TEMELJI, STENE, STEBRI, JAŠKI)



Use small nuts for lower crosspieces as shown.
Na spodnjih križih uporabljamo male matice kot kaže slika.



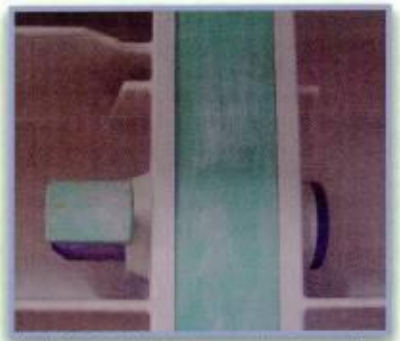
Use small nuts for angles, as they cross.
V vogalih tudi uporabljamo male matice zaradi križanja le teh .



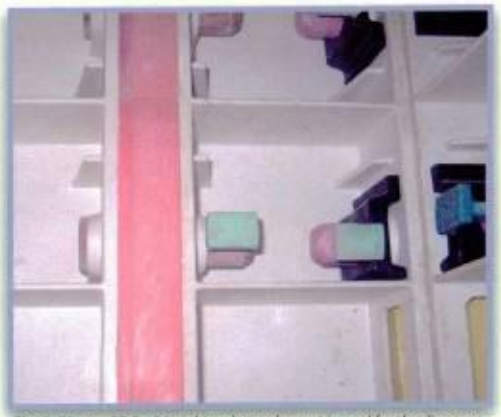
Use small nuts for angles, as they cross.
V vogalih tudi uporabljamo male matice zaradi križanja le teh .



For walls higher than 2.8 m / 9,2 ft, use angle reinforcement pieces as shown.
Pri stenah višjih od 2,8 m moramo uporabiti ojačevalec vogala, kot je prikazano na sliki



Use the 5x70 cm / 27,5 x 2 in compensation piece as a 5 cm / 2 in filler, which requires extended pivots. This element may be used for a variety of purposes including levelling, filling, reinforcement and the finishing of ceiling panelling.
Kompenzacijski element 5x70cm uporabimo kot 5 cm polnilo za katerega je potreben podaljšani klin.Ta element ima vsestransko uporabnost(izravnava,polnila,ojačevalec pri zaključku stropnega opaža.



The 5x70 cm - 27,5 x 2 in taking down element is used for the disassembly of internal panel walls in shafts. It can also be used for circular panelling or as a filler for ceiling panelling in order to facilitate disassembly.
Element za razopažanje 5x70 cm uporabimo za lažje razopažanje notranjih sten opaža pri jaških,lahko ga pa uporabljamo za točkovni krožni opaž ali polnilo pri stropnem opažu za lažje razopaževanje.



The standard-sized spacers (15, 20, 25, 30 cm / 5,9 - 7,9 - 9,8 - 11,8 in) are crucial elements in panelling, as they precisely fit the required dimensions and contribute to better levelling.
Distančniki narejeni na standardne dimenzije (15,20,25,30 cm)imajo pomembno vlogo pri opažanju saj so dimenzijsko točni in pripomorejo k bolj izravnanim stenam.



Plug any unused holes on the panelling with plugs.
Vse neuporabljene luknje na opažu, zapremo s čepi.



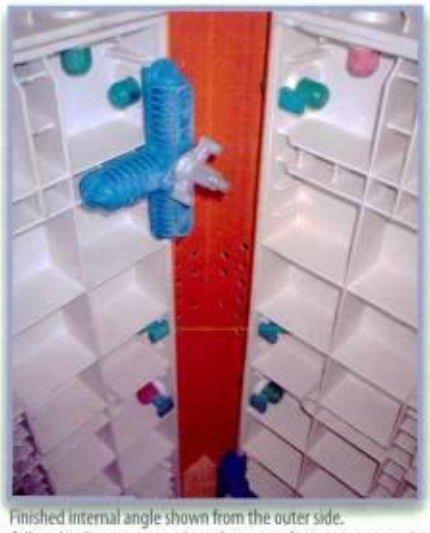
Compensation piece 13,3 x 27,5 in. We dont need a wood for foundations.
Kompezacijski element 34x70 cm. Pri temeljih ne potrebujemo lesa.



Before assembly grease the panels with formwork oil on both sides to make it easier to clean the concrete after use.
Opaže predhodno namažemo z opažnim oljem s sprednje in zadnje strani, zaradi lažjega čiščenja betona po uporabi.



Internal angle element for walls lenght 295 cm / 116 inch. Anables any lenght of corner from 0 to 6 m / 0 to 19,7 ft. Possibility of cutting.
Notranji kotni elmenet za zidove višine 295 cm. Omogoča tudi poljubno višino vogalnika od 0 do 6 metrov. Možnost rezanja na željeno višino.



Finished internal angle shown from the outer side.
Prikaz končanega notranjega kotnega elementa z zunanje strani.



Internal angle.
Notranji kotni element.



External angle element for walls lenght 295 cm / 116 inch. Anables any lenght of corner from 0 to 6 m / 0 to 19,7 ft. Possibility of cutting.
Zunanji kotni elmenet za zidove višine 295 cm. Omogoča tudi poljubno višino vogalnika od 0 do 6 metrov. Možnost rezanja na željeno višino.



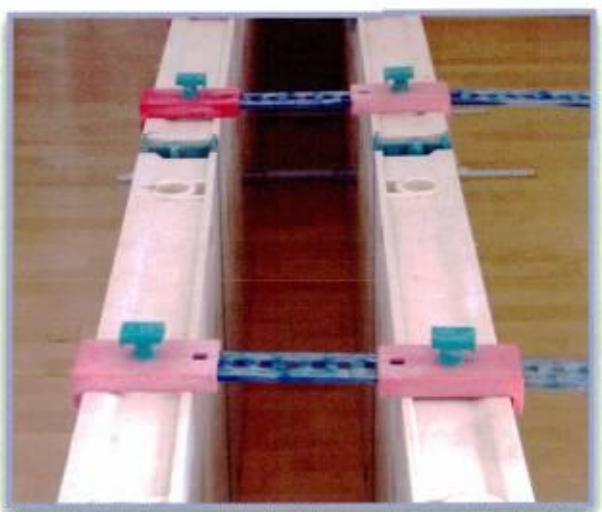
Exumple of colum with external angle 295.
Primer stebra z zunanjim kotnim elementom 295.



Epic ECO wall with simple aligners.
Epic ECO zid z enostavnimi izravnalnimi elementi.



Basic Anchorange for fixing the formwork to the ground.
Spodnji distančnik za pritrditev opaža v tla.



Sliding abivalent anchorange with perforated spacer and pin is used to fix foundations from the top of ECO elements.
Zgornji distančnik s perforiranim distančnikom ter zatičem se uporablja pri temeljih, in sicer za pritrditev elementov na vrhu.





Reinforcement for column.
Ojačevalec za stebre.





Washer for easier dissembling shafts and colums.
Podložka za lažje razopažanje jaškov ter stebrov.

EPIC ECO - FOUNDATIONS

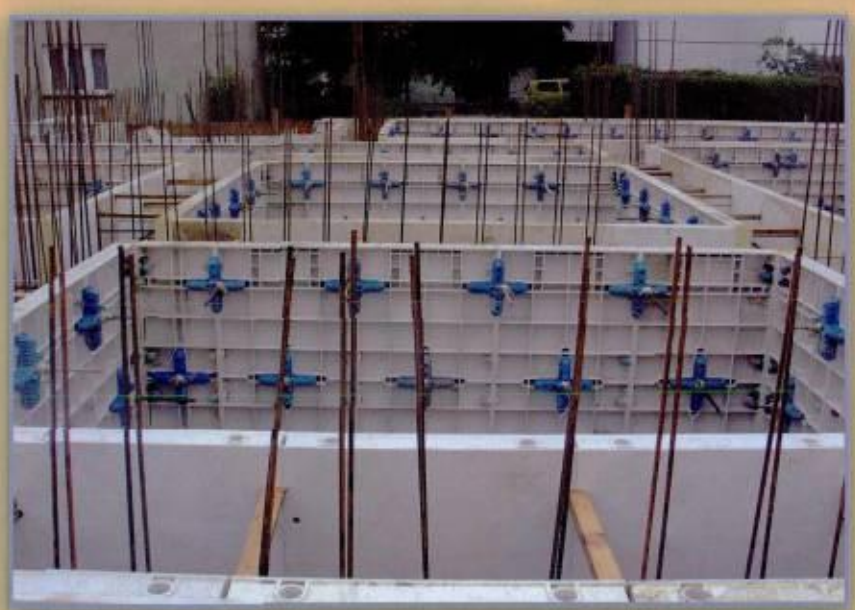
Formwork systems EPIC ECO provide comprehensive panelling with a single panelling system on the construction site, from the foundations to the roof. The system has good mechanical properties, for it can bear the load of up to 60 kN/m² - 1200 psf of panelling.













EPIC ECO - TEMELJI



Opažni sistemi EPIC ECO omogočajo kompletno opažanje z enim opažnim sistemom na gradbišču in sicer od temeljev do strehe. Imajo dobre mehanske lastnosti, saj prenesejo obremenitve do 60 kN/m^2 opaža.



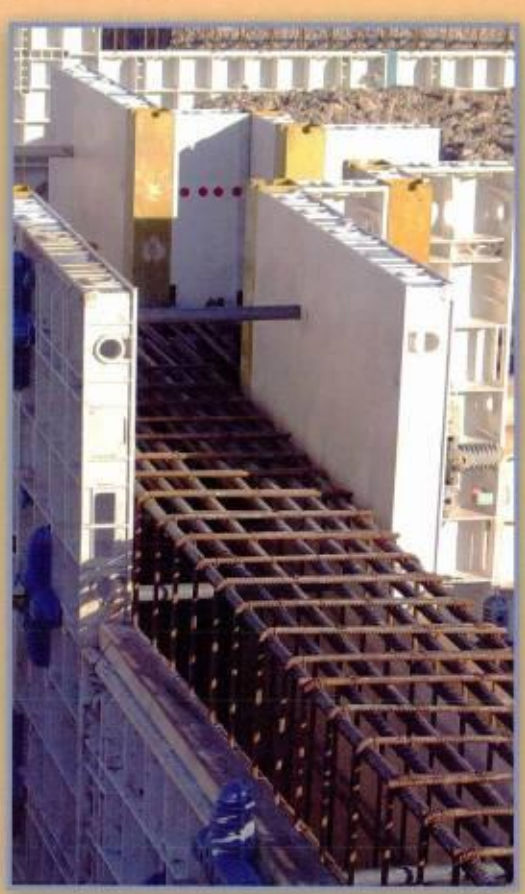




EPIC ECO - FOUNDATIONS

Plastic formwork systems EPIC ECO were tried out by our users in the extremely cold conditions. The panelling was easily carried out at the temperatures of -23 °C / -9,4 °F where no damage was done to the panelling systems.

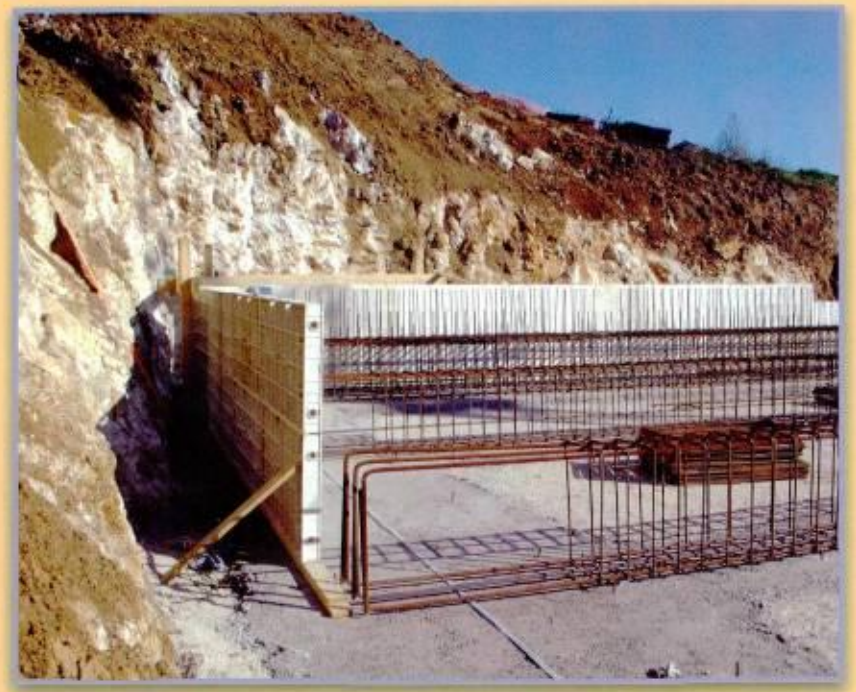








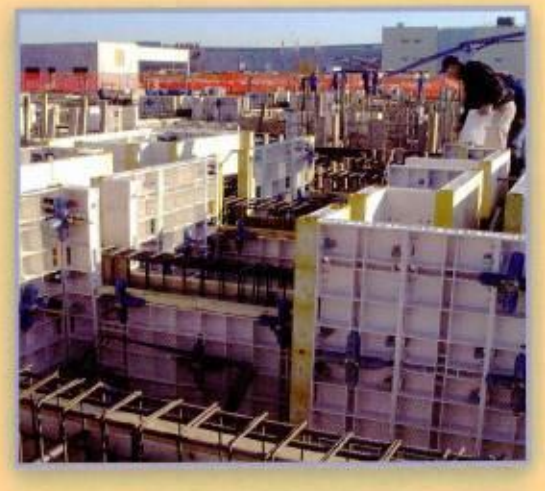
EPIC ECO - TEMELJI







Opažne sisteme EPIC ECO so naši uporabniki letos preizkusili tudi v izredno mrzlih pogojih. Opažanje je nemoteno potekalo tudi pri -23 °C in pri tem ni prišlo do poškodb opažnih sistemov.









EPIC ECO - WALLS

The basic heights are 70 cm / 2,3 ft and 140 cm / 4,6 ft, while the system provides an option of single panelling to the height up to 8,4 m / 28 ft. It also provides an option of all the dimensions in between for the elements are compatible in horizontal and vertical directions.











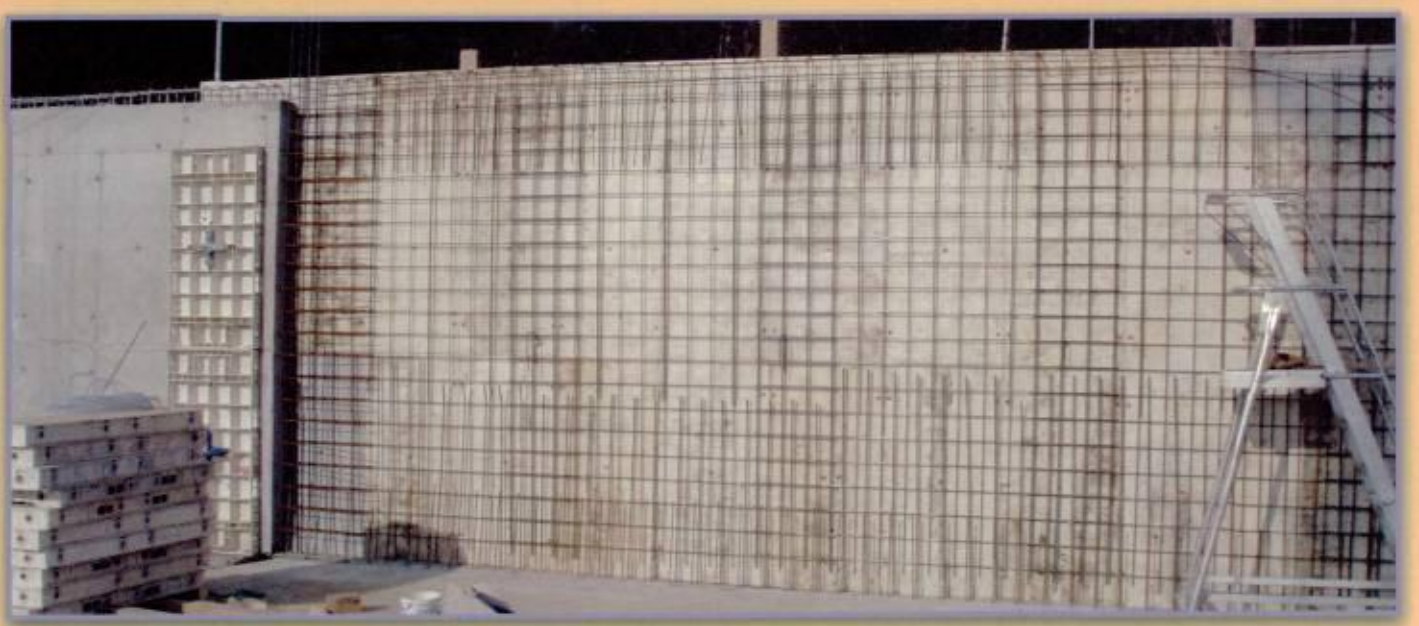


EPIC ECO - STENE



Osnovna višina je 70 cm in 140 cm, možno pa je enkratno opažanje do višine 8,4 m. Prav tako so možne tudi vse vmesne dimenzije, saj so elementi kompatibilni vodoravno in navpično.









EPIC ECO - WALLS

The basic heights are 70 cm / 2,3 ft and 140 cm / 4,6 ft, while the system provides an option of single panelling to the height up to 4,2 m / 14 ft. It also provides an option of all the dimensions in between for the elements are compatible in horizontal and vertical directions.
The system has 7 basic elements and 23 binding elements that provide the implementation of the complete panelling on the construction site: the foundations, shafts, pillars, walls and retaining walls.



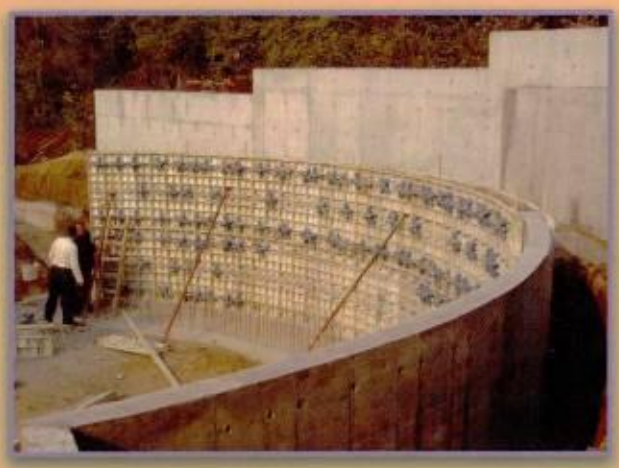








EPIC ECO - STENE

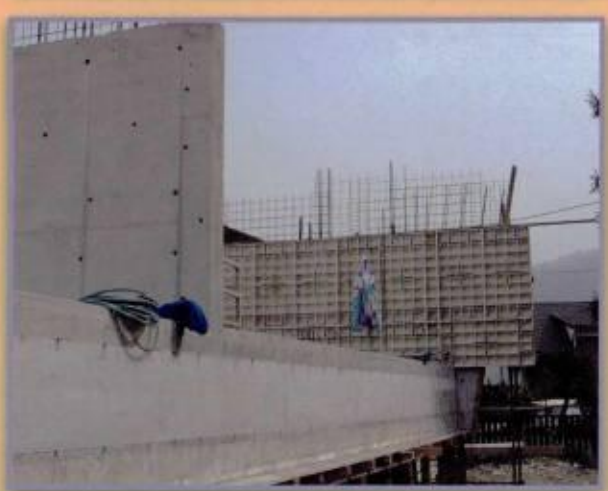


Osnovna višina je 70 cm in 140 cm, možno pa je enkratno opažanje do višine 4,2 m. Prav tako so možne tudi vse vmesne dimenzije, saj so elementi kompatibilni vodoravno in navpično.
Sistem ima 7 osnovnih elementov ter 23 veznih elementov, ki omogočajo izvedbo kompletnega opažanja na gradbišču: temeljev, jaškov, stebrov, zidov in podpornih zidov.







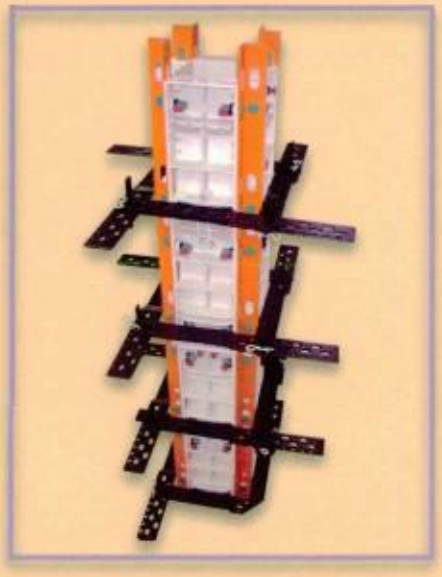




EPIC ECO - COLUMNS







The formwork systems EPIC ECO provide means for lowering of cost for all building contractors and present a solution for increasing the competitiveness for all independent construction businesses, and all small, medium size and large construction companies FROM THE FOUNDATIONS TO THE ROOF.

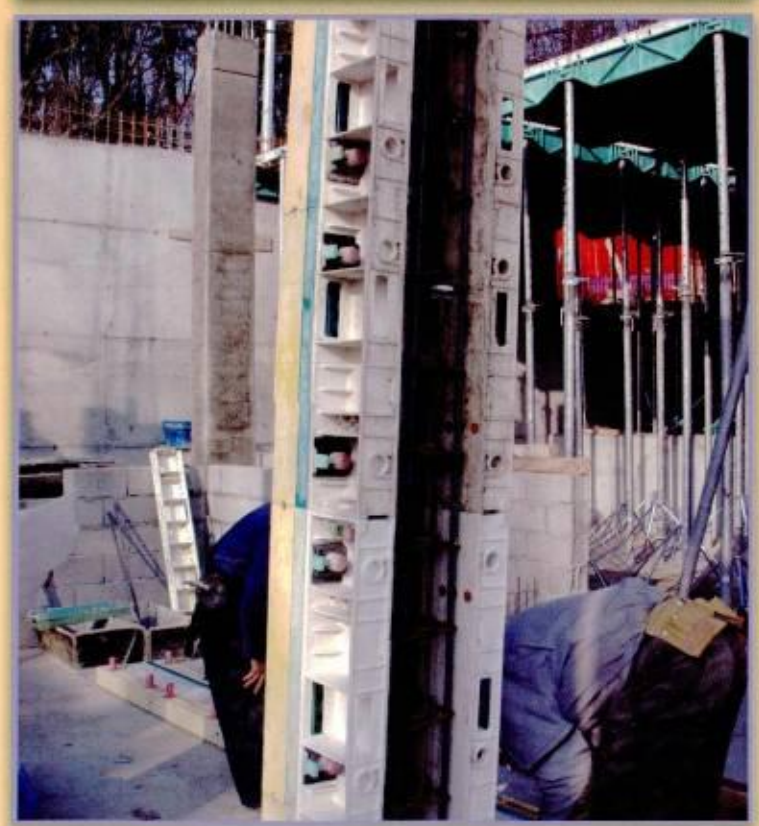


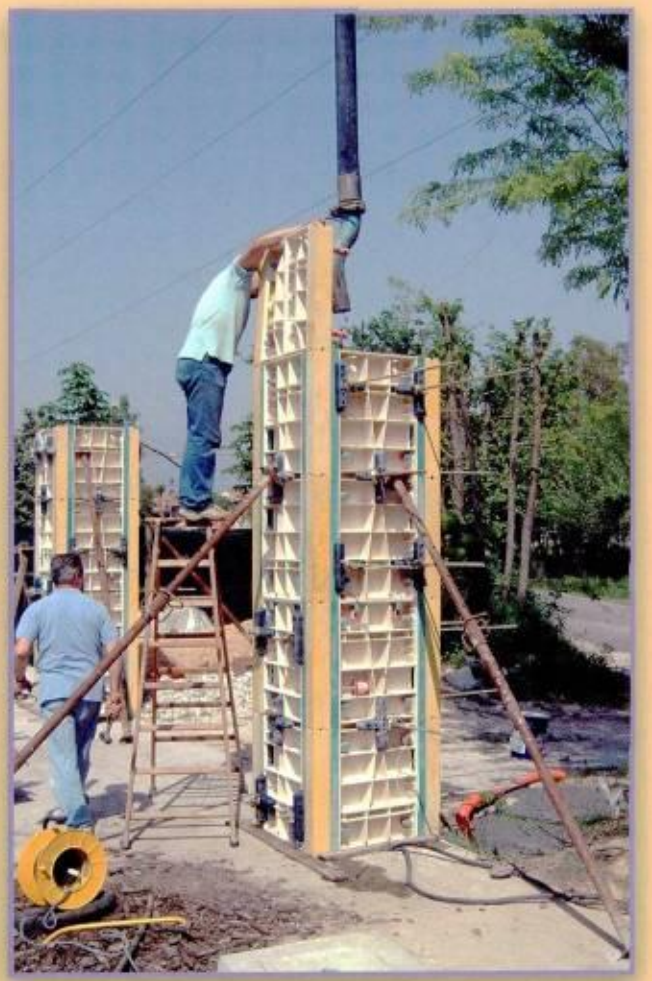


EPIC ECO - STEBRI









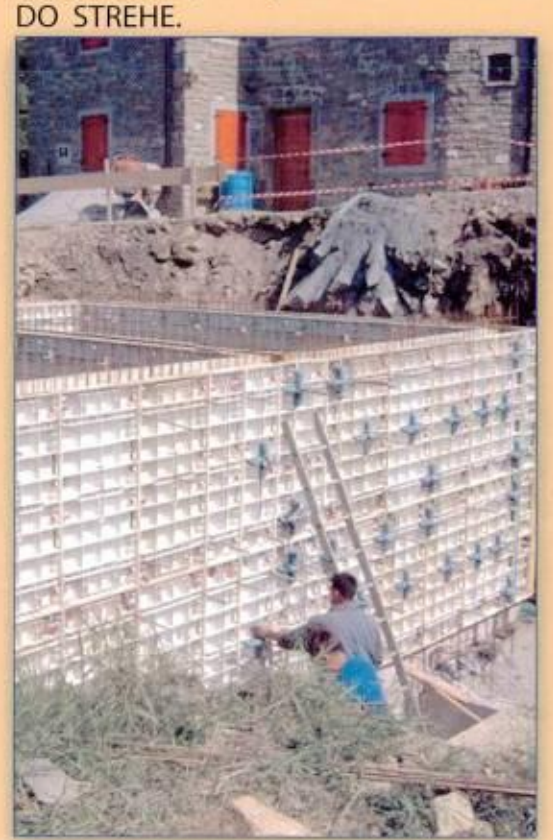


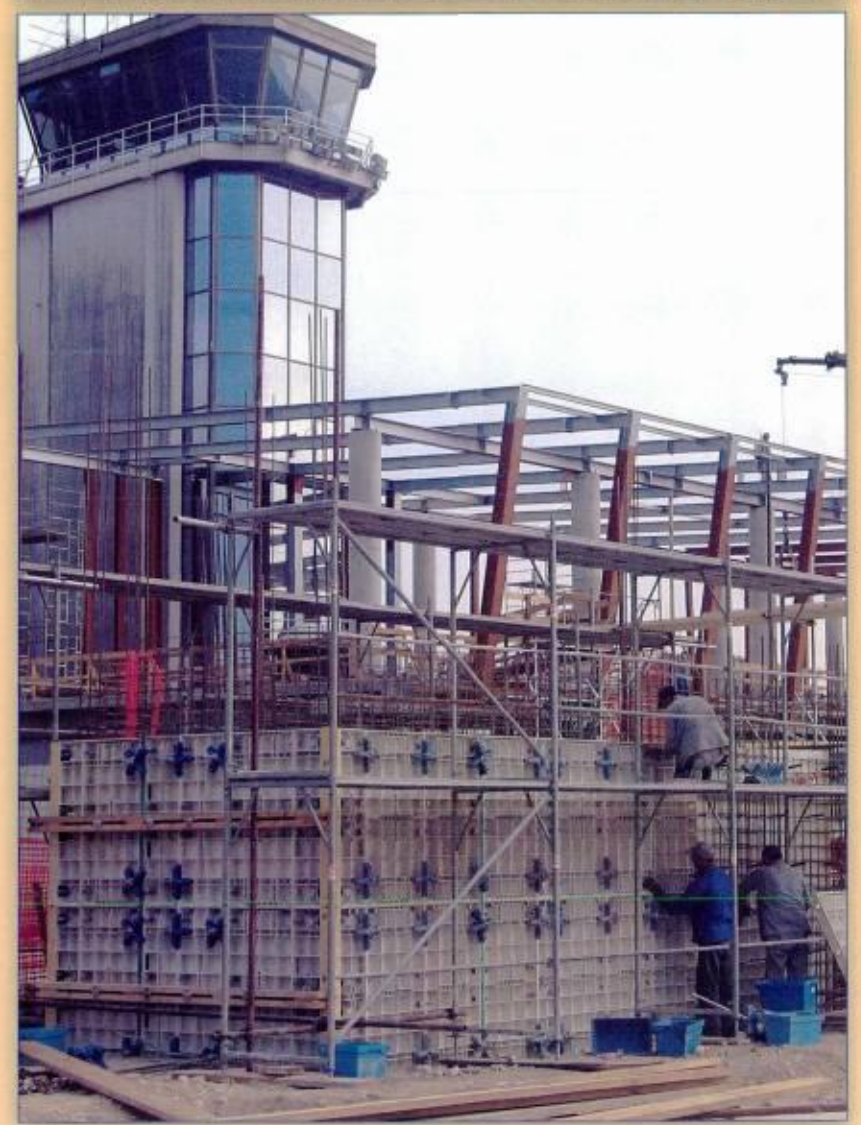
EPIC ECO - SHAFTS





Opažni sistemi EPIC ECO predstavljajo način za zmanjšanje stroškov vsem gradbenikom in nudijo rešitev za povečanje konkurenčnosti vsem samostojnim gradbenim podjetnikom ter vsem malim, srednjim ter velikim gradbincem za opažanje OD TEMELJEV DO STREHE.

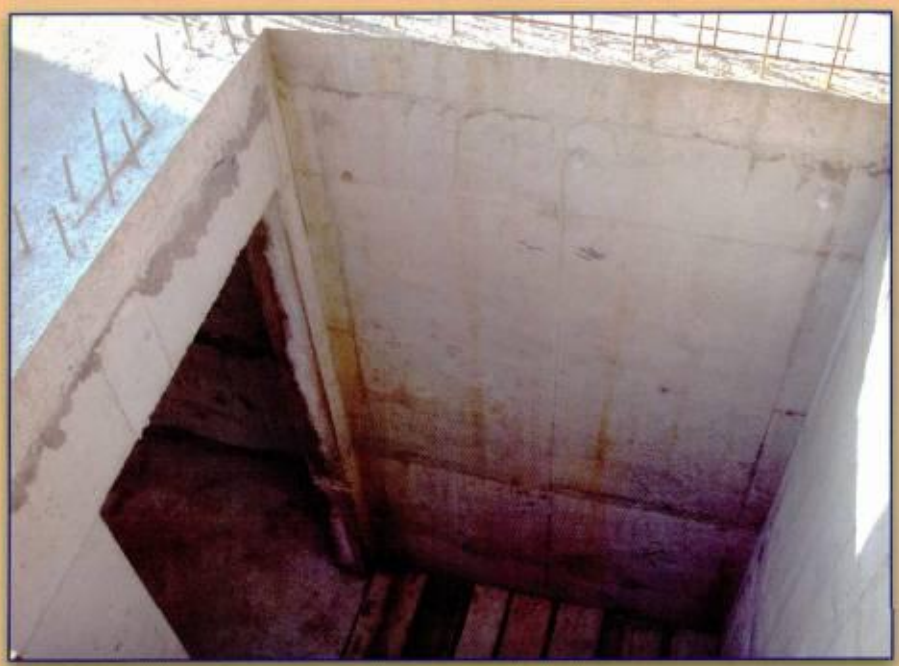




EPIC ECO - JAŠKI













EPIC ECO®

COMPOSITE FIBERGLASS FORMWORK SYSTEM
KOMPOZITNI STEKLOVLAKNENI OPAŽNI SISTEM

CEILING SYSTEMS
STROPNI SISTEMI



EPIC ECO SKY SPEED STRONG



EPIC ECO SKY SPEED



EPIC ECO SKY LIGHT



EPIC ECO SKY WOOD

ADVANTAGES OF CEILING SYSTEM EPIC ECO SKY SPEED

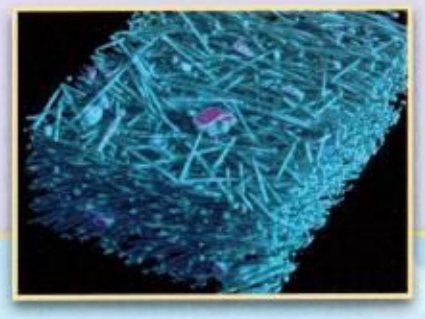
PREDNOSTI STROPNEGA OPAŽNEGA SISTEMA EPIC ECO SKY SPEED

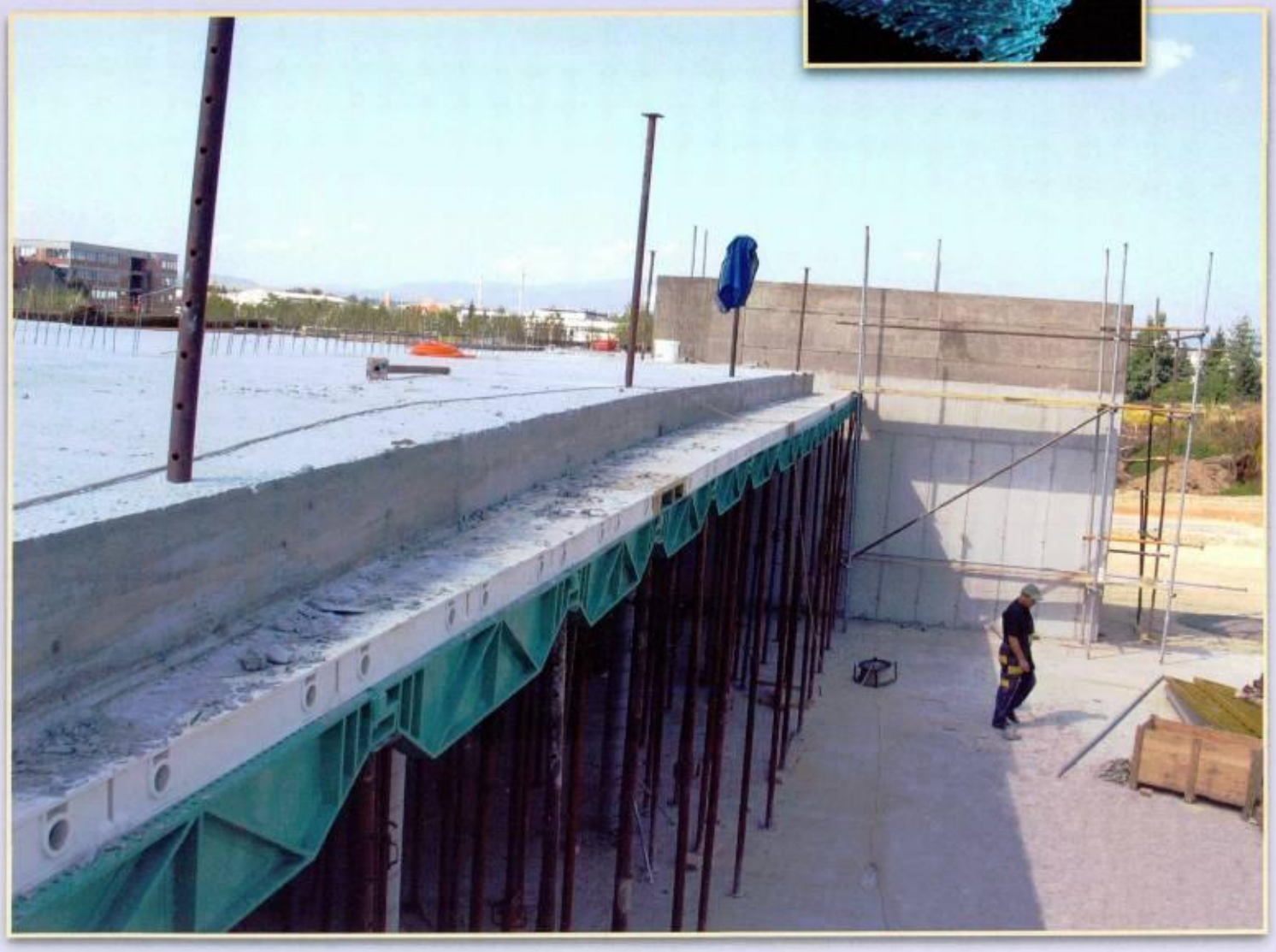
1. HEAVY LOAD

Heavy load - built in glass fibres enable support of ceiling plates up to 120 cm / 47 in thickness without any problems.

VELIKA NOSILNOST

Velika nosilnost - vgrajena steklena vlakna omogočajo podpiranje stropne plošče do debeline120 cm brez problemov.









2. LOW WEIGHT

Low weight - EPIC ECO Speed weights only 6.5 kg / 14 lb and is thus extremely light in comparison with all other supporting systems for the preparation of ceiling surfaces;

MAJHNA TEŽA

Majhna teža - EPIC ECO SPEED je težak 6,5 kg in je zelo lahek v primerjavi s katerimikoli drugimi nosilci za pripravo stropnih površin.



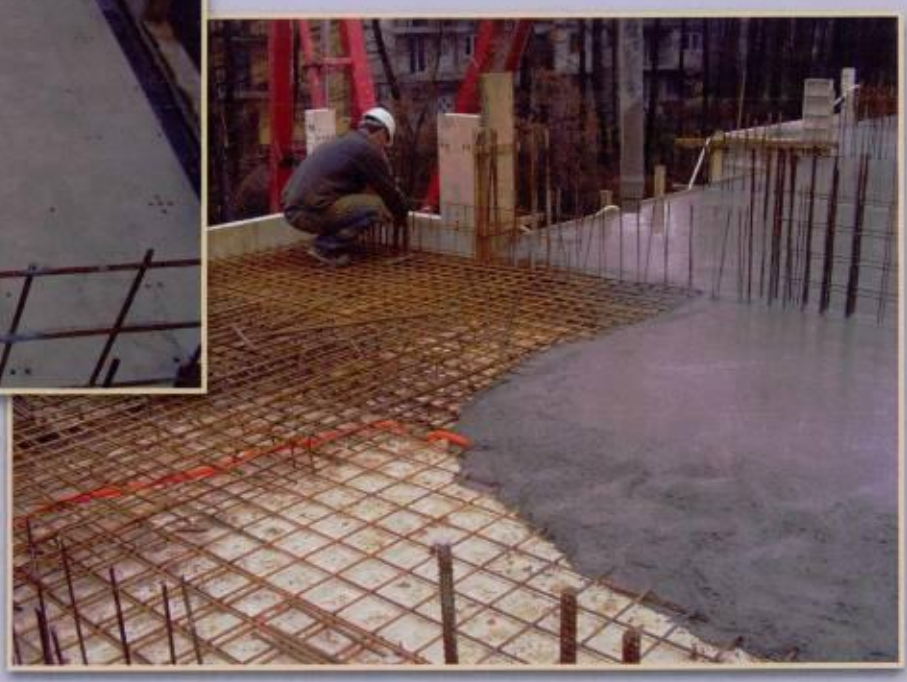
3.PANELLING

It can be used for panelling all types of spaces - it can be used to panel all dimensions of ceiling panels at construction sites, for it can be installed lengthwise, parallel, in sequence or alternately;

OPAŽANJE

Omogoča opažanje vseh dimenzij prostorov - z njim lahko opažamo vse dimenzije stropnih plošč na gradbiščih, saj se sestavlja po dolžini, lahko se uporablja vzporedno, zaporedno, izmenično.





4.WAREHOUSING

It enables easy warehousing; due to its uniform length of 1,4 m / 4,6 ft it does not cause problems when warehousing, unlike wooden brackets of different lengths up to 4,9 m / 16 ft. Also, a construction company purchases the uniform length of 1,4 m / 4,6 ft and does not need to purchase different sizes of wooden brackets, which usually remain unused in the warehouse;







SKLADIŠČENJE

Omogoča lahko skladiščenje,saj za razliko od lesenih nosilcev različnih dolžin do 4,90 m SPEED s svojo enotno dolžino 1,4 m ne predstavlja problema pri skladiščenju. Ravno tako gradbeno podjetje kupi univerzalno dolžino 1,4 m in ni potrebno več kupovati različnih dolžin lesenih nosilcev, ki potem dostikrat ležijo neizkoriščeni na skladišču.



5. SIMPLE MOUNTING

Simple mounting - EPIC ECO SKY SPEED can be installed by a single worker, for it is light, the speed of installation is 5 minutes per 1 m^2 / 10 sqf the same applies for disassembly;

ENOSTAVNOST MONTAŽE

Enostavnost montaže - EPIC ECO SKY SPEED sestavlja lahko le en delavec, saj je lahek, normativ montaže je 5 minut za m^2, normativ demontaže je enak.

6.COST

Decreasing the cost of panelling by 30% - by using brackets Epic ECO Speed there is no need to use the forks, so the Speed is installed directly on the supporter, which eliminates the cost of purchasing the "I" brackets and forks, with which to mount the brackets and angle head;





STROŠKI

Poceni stroške opažanja za najmanj 30 %, pri uporabi nosilca EPIC ECO SPEED odpade potreba po uporabi vilic, saj se SPEED direktno obesi na podpornik. S tem odpade strošek nakupa I nosilcev in nakup vilic, s katerimi fiksiramo nosilce in vpadne glave.

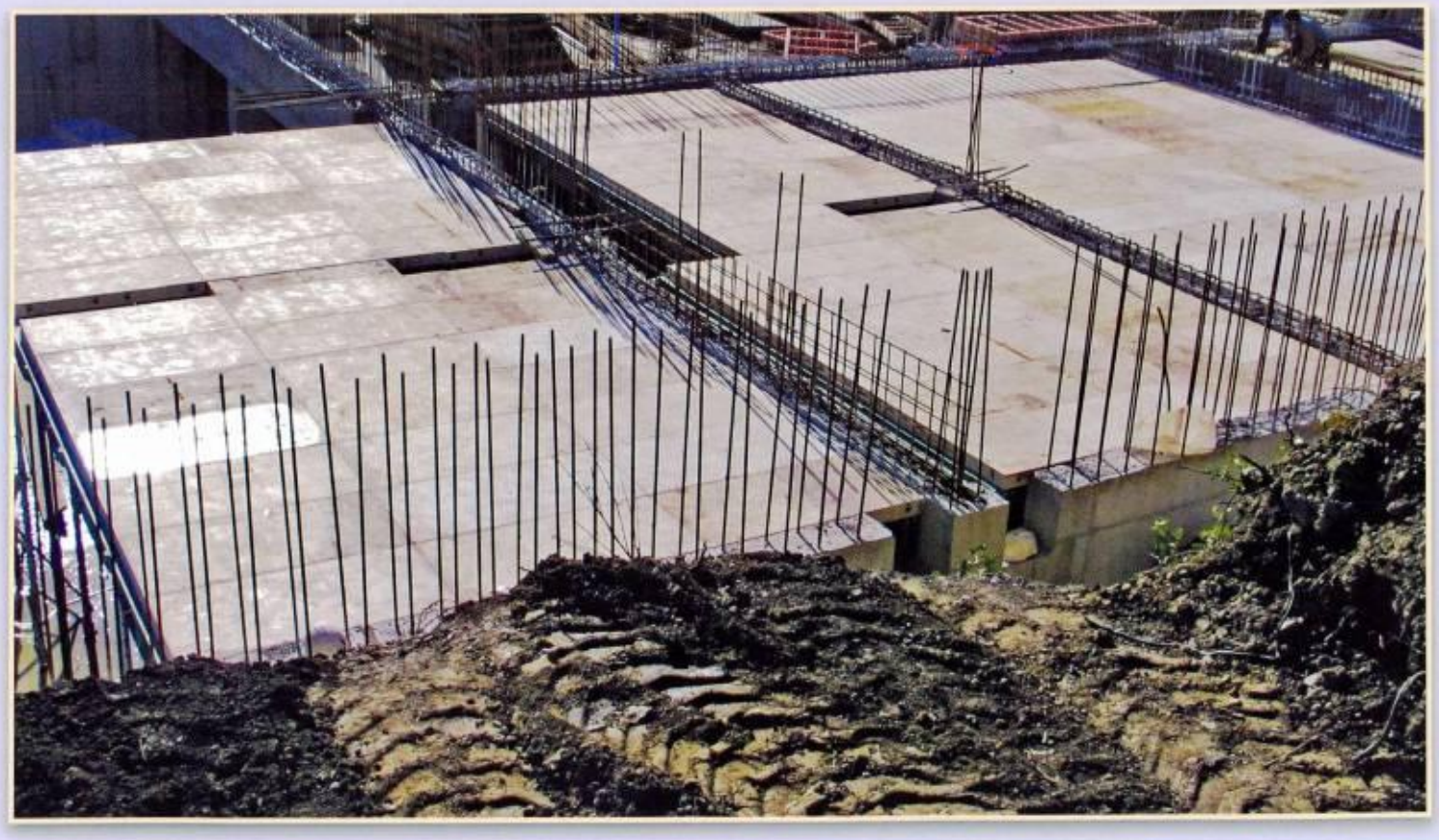
7.SIMPLICITY

Simplicity due to low number of elements - EPIC ECO SKY SPEED simplifies and improves setting up the panelling behind the ceiling plate, for ceiling panelling Epic ECO SKY Speed is comprised of only three elements: support, ECO Speed bracket and Epic ECO cassette element.



ENOSTAVNOST

Enostavnost zaradi majhnega števila elementov - EPIC ECO SKY SPEED poenostavlja in izboljšuje postavitev opaža za stropno ploščo, saj sestavljajo stropni opaž EPIC ECO SKY SPEED samo trije elementi : podpornik, ECO SPEED nosilec in EPIC ECO kasetni element.



8.LEVEL

Each beam EPIC ECO SPEED can have spirit level below so that is much easier to level celing system.



LIBELA

Vsak nosilec EPIC ECO SPEED ima lahko na spodnji strani libelo, s katero lahko lažje izravnamo stropno površino.

9. RENTING PRICE

Very low price of renting the entire panelling system, including ceiling tiles.

CENA IZPOSOJE

Zelo nizka cena izposoje za kompletni opažni sistem, vključno s stropnimi ploščami.



10. PRICE

Very competitive price - Epic ECO SKY SPEED system has lowered the cost of panelling ceiling tiles for at least 30 %, for the price of the entire ceiling panelling is considerably lower in comparison with any other ceiling panelling system.

CENA

Zelo konkurenčna cena - EPIC ECO SKY SPEED sistem je pocenil stroške opažanja stropnih plošč za najmanj 30%, saj je cena kompletnega stropnega opažanja toliko nižja v primerjavi s katerimkoli drugim stropnim opažnim sistemom.



11. EPIC ECO SPEED LENGHT

Due to its length of 140 cm /4,6 ft and its technology, it can be installed lengthwise or in squares, etc.;

EPIC ECO SPEED DOLŽINA

Zaradi svoje dolžine 140 cm in njegove tehnologije ga lahko poljubno sestavljamo bodisi po dolžini ali v kvadrate itd.





12. EPIC ECO SPEED MATERIALS

Reinforced with glass fibres that guarantee its rigidity and flexibility at the same time;



EPIC ECO SPEED MATERIALI

Ojačan je s steklenimi vlakni, ki mu zagotavljajo trdnost in elastičnost hkrati.

13. PACKING

Elements are packed onto palettes and thus easy to handle. None of the plastic elements weights more than 17.6 kg / 38,8 lb.

PAKIRANJE

Elementi so na paletah in so enostavni za rokovanje. Noben izmed elementov ne presega 17,6 kg.









14. FAST ASSEMBELING

The system allows for rapid work, quicker than cassette aluminium systems (EPIC Alfort, Peri Skydeck, etc.). With the purchase of one extension (25 % greater number of ceiling elements and supports) one can install the easy support based on a three day formwork in advance leaving only the framework with 30 cm / 1 ft wide elements and line of support (similar to Epic Alfort);



HITRA MONTAŽA

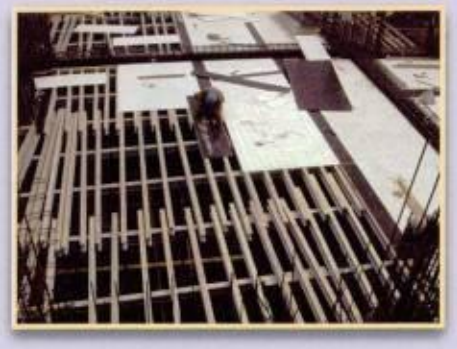
Omogoča zelo hitro delo , podobno kot kasetni aluminijski sistemi (EPIC Alfort, itd). Z nakupom enega podaljška (25 % večje količine stropnih elementov in podpornikov) lahko osnovno podpiranje po treh dnevih opažanja prestavimo naprej, ostane samo osnovno ogrodje s 30 cm širokimi elementi in linija podpornikov (podobno kot pri Epic Alfort).



15. IT CAN REPLACE

It replaces all previously used support systems, like "I" wooden brackets, aluminium brackets, steel brackets, beams, etc.;





LAHKO NADOMESTI

Nadomešča vse doslej uporabljene podporne sisteme, kot so I leseni nosilci, aluminijski nosilci, železni nosilci, trami itd.

16. HIGH TEMPERATURES

It can be used at extremely high temperatures, up to 122 °F / 50°C- you can touch EPIC ECO without problems, while you cannot touch hot steel without being burned;

VISOKE TEMPERATURE

Lahko se uporablja pri izredno visokih temperaturah do 50 stopinj C, brez problemov lahko prijemate EPIC ECO, razbeljenega železa ne morete prijeti brez opeklin



17. LOW TEMPERATURES

It can be used at extremely low temperatures up to -23°C / -9,4 °F- when a hand must not touch the steel panelling, EPIC ECO can be handled without problems;



-23°C / -9.4°F

NIZKE TEMPERATURE

Lahko se uporablja pri izredno nizkih temperaturah do -23°C, takrat ko se človeška roka ne sme dotakniti kovinskih opažev, lahko EPIC ECO brez problemov prijemate.

18. WATER

It can be used in water, salt or fresh water. It is the only panelling system which is designed to be used in water.







VODA

Lahko se uporablja v vodi , tako slani kot sladki. Je edini opažni sistem, ki mu voda ne škoduje.

19. UNIVERSAL USE

All-round use - it can be used as a part of the EPIC ECO SKY Speed ceiling panelling system, or also in combination with all other panelling systems (aluminium cassette systems, panelling panels, plywood panels, steel panelling systems, etc.) only as a supporting element of ceiling panelling;

UNIVERZALNA UPORABA

Univerzalnost uporabe - lahko se uporablja v sklopu stropnega opažnega sistema EPIC ECO SKY SPEED ali tudi v kombinaciji z vsemi drugimi opažnimi sistemi (aluminijski kasetni sistemi, opažne plošče, vezane plošče, bosanke, železni opažni sistemi itd.)kot samo podporni element stropnega opaža;



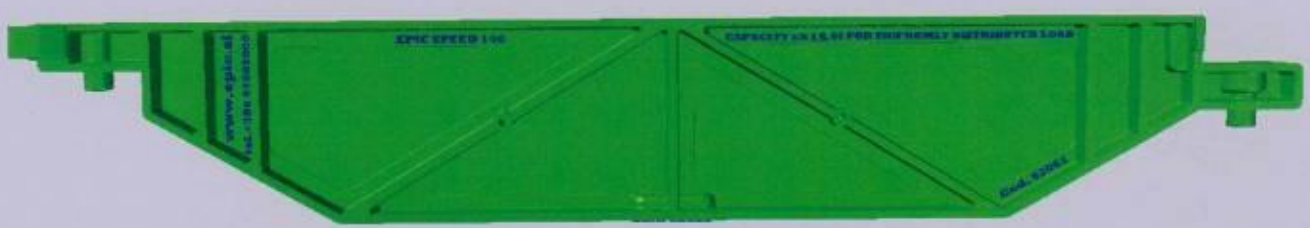
20. POINT LOADS EPIC ECO SPEED

It can withstand point loads of more than 3000 kg / 6600 lb and represents one of the most compact support elements of ceiling panelling in the world. Its characteristics can be compared with steel brackets, but EPIC system is much lighter;

TOČKOVNA OBREMENITEV EPIC ECO SPEED

Točkovno prenese obremenitev več kot 3000 kg in predstavlja enega najbolj čvrstih podpornih elementov stropnega opaža na svetu.Po svojih karakteristikah se lahko meri z železnimi nosilci, od katerih pa je dosti lažji.

3000 kg / 6600 lb



21. POINT LOADS EPIC ECO SPEED STRONG

It can withstand point loads of more than 6000 kg / 13200 lb and represents one of the most compact support elements of ceiling panelling in the world. Its characteristics can be compared with steel brackets, but EPIC system is much lighter.

TOČKOVNA OBREMENITEV EPIC ECO SPEED STRONG

Točkovno prenese obremenitev več kot 6000 kg in predstavlja enega najbolj čvrstih podpornih elementov stropnega opaža na svetu.Po svojih karakteristikah se lahko meri z železnimi nosilci, od katerih pa je dosti lažji.

6000 kg / 13200 lb



COMPONENTS OF CEILING SYSTEM EPIC ECO SKY SPEED

ELEMENTI STROPNEGA OPAŽNEGA SISTEMA EPIC ECO SKY SPEED



PIECE ECO STRONG 27,5 x 55 in
ELEMENT ECO STRONG 70 x 140 cm

Code / *Koda*: 62003
Weight / *Teža*: 28 lb / 12,60 kg



PIECE ECO 27,5 x 27,5 in
ELEMENT ECO 70 x 70 cm

Code / *Koda*: 62013
Weight / *Teža*: 16,7 lb / 7,60 kg



PIECE ECO 27,5 x 55 in
ELEMENT ECO 70 x 140 cm

Code / *Koda*: 62001
Weight / *Teža*: 43 lb / 19,50 kg



PIECE ECO 11,8 x 27,5 in
ELEMENT ECO 30 x 70 cm

Code / *Koda*: 62017
Weight / *Teža*: 8 lb / 3,70 kg



PIECE ECO 19,7 x 55 in
ELEMENT ECO 50 x 140 cm

Code / *Koda*: 62003
Weight / *Teža*: 28 lb / 12,60 kg



EPIC ECO SPEED WITH LEVEL
EPIC ECO SPEED Z LIBELO

Code / *Koda*: 62061
Weight / *Teža*: 14,3 lb / 6,50 kg



PIECE ECO 15,7 x 55 in
ELEMENT ECO 40 x 140 cm

Code / *Koda*: 62005
Weight / *Teža*: 24 lb / 10,82 kg



EPIC ECO SPEED STRONG
EPIC ECO SPEED STRONG

Code / *Koda*: 62066
Weight / *Teža*: 20,9 lb / 9,5 kg



PIECE ECO 11,8 x 55 in
ELEMENT ECO 30 x 140 cm

Code / *Koda*: 62007
Weight / *Teža*: 18,5 lb / 8,42 kg



EPIC ECO SPEED
EPIC ECO SPEED

Code / *Koda*: 62062
Weight / *Teža*: 14,3 lb / 6,50 kg



PIECE ECO 7,9 x55 in
ELEMENT ECO 20 x 140 cm

Code / *Koda*: 62009
Weight / *Teža*: 12,3 lb / 5,57 kg



TRIPOD EPIC
TRONOŽEC EPIC

Code / *Koda*: 000481
Weight / *Teža*: 29,3 lb / 13,3 kg



PROP EPIC 6,9 - 11,5 ft
PODPORNIK EPIC 210 -350 cm

Code / *Koda*: 004784
Weight / *Teža*: 50,7 lb / 23 kg



WEDGE EXTRACTOR
KLJUČ ZA ZAGOZDE

Code / *Koda*: 62200
Weight / *Teža*: 3,5 lb / 1,59 kg



PIVOT
KLIN

Code / *Koda*: 62030
Weight / *Teža*: 0,28 lb / 0,13 kg



SPEED STOPPER
ECO ČEP SPEED

Code / *Koda*: 62062
Weight / *Teža*: 0,0008 kg / 0,0024 lb



2 HOLES PIVOT
KLIN PODALJŠANI

Code / *Koda*: 62031
Weight / *Teža*: 0,46 lb / 0,21 kg



COMPENSATION PIECE 2 x 27,5 in
KOMPEZACIJSKI ELEMENT 5 X 70 mm

Code / *Koda*: 62055
Weight / *Teža*: 3 lb / 1,40 kg



3 HOLES PIVOT
KLIN PODALJŠANI 3

Code / *Koda*: 62036
Weight / *Teža*: 0,47 lb / 0,212 kg



FLOOR SUPPORT
GLAVA ZA STROPNI OPAŽ

Code / *Koda*: 62060
Weight / *Teža*: 1,3 lb / 0,61 kg



WEDGE
ZAGOZDA

Code / *Koda*: 62032
Weight / *Teža*: 0,08 lb / 0,04 kg



FAST TAKING DOWN ELEMENT
ELEMENT ZA RAZOPAŽANJE

Code / *Koda*: 62056
Weight / *Teža*: 2,3 lb / 1,06 kg



WASHER
OBJEMKA

Code / *Koda*: 62057
Weight / *Teža*: 0,008 lb / 0,004 kg

UNIVERSAL CLAMP FOR CEILING SYSTEMS

UNIVERZALNA SPONA ZA STROPNE OPAŽE



SQUARE FOR SIDE PANEL
SPONA NOSILCA

Code / *Koda*: 62063
Weight / *Teža*: 2,26 lb / 1,03 kg



CURSOR
SMERNIK SPONE NOSILCA

Code / *Koda*: 62069
Weight / *Teža*: 0,74 lb / 0,335 kg



WEDGE K
ZAGOZDA K

Code / *Koda*: 64622
Weight / *Teža*: 0,34 lb / 0,155 kg



CLAMP
PRIMEŽ SPONE NOSILCA

Code / *Koda*: 62070
Weight / *Teža*: 0,63 lb / 0,29 kg



SPRING CLAMP
ZATIČ ZA PRIMEŽ

Code / *Koda*: 64623
Weight / *Teža*: 0,02 lb / 0,007 kg



CLAMP BLOCKING PIN
ZATIČ ZA PRIMEŽ

Code / *Koda*: 62071
Weight / *Teža*: 0,03 lb / 0,012 kg





SQUARE FOR SIDE PANEL - WITH WEDGE K
SPONA NOSILCA - KOMPLET

Code / *Koda*: 62064
Weight / *Teža*: 5,35 lb / 2,43 kg

USER PLUS SUPPLEMENT MATERIAL EPIC ECO

POTROŠNI IN DODATNI MATERIAL EPIC ECO



PLUG DIAMETER 20
ČEP 20

Code / *Koda*: 63000
Weight / *Teža*: 0,003 lb / 0,0016 kg



ROSETTE 0,86 in
ROZETA 22 mm

Code / *Koda*: 002524
Weight / *Teža*: 0,008 lb / 0,004 kg



BORER d. 0,7/1 in
SVEDER d. 20/26 mm

Code / *Koda*: 62300
Weight / *Teža*: 2 lb / 0,9 kg



RUBBER PLUG 0,86 in
GUMI ČEP 22m

Code / *Koda*: 000942
Weight / *Teža*: 0,015 lb / 0,007 kg



PUMP FOR APPLYING ECO2
BRIZGALKA ZA NANAŠANJE ECO2

Code / *Koda*: K6S
Weight / *Teža*: 3,6 lb / 1,63 kg



PLUG FOR ROSETTE 1000 pcs
ČEP ZA ROZETO 1000 kos

Code / *Koda*: 003262
Weight / *Teža*: 0,003 lb / 0,0016 kg



PRODUCT FOR REPAIRING ECO 3
PRODUKT ZA PORAVILO ELEMENTA ECO 3

Code / *Koda*: 71000
Weight / *Teža*: 11,08 lb / 5,03 kg



DISTANCER WITH ROSETTE
5,9 - 7,9 - 9,8 - 11,8 in
DISTANČNIK Z ROZETO
150, 200, 250, 300 mm

Weight / *Teža*: 0,06-0,1 lb / 30-50 g



ACID FOR DISSOLVING ECO2
KISLINA ZA RAZTAPLJANJE ECO2

Code / *Koda*: 03395
Weight / *Teža*: 6,6 gal / 25,2 l



RUBBER HAMMER
GUMJASTO KLADIVO

Code / *Koda*: 001183
Weight / *Teža*: 2,2 lb / 1 kg



PLASTIC TUBE l = 6,56 ft
CEV JUVIDUR l =2 m

Code / *Koda*: 004246
Weight / *Teža*: 0,88 lb / 0,4 kg



FORMWORK OIL
OPAŽNO OLJE

Code / *Koda*: 004751
Weight / *Teža*: 38 lb / 17,2 kg

ASSEMBLING OF CEILING SYSTEM EPIC ECO SKY SPEED

MONTAŽA STROPNEGA OPAŽNEGA SISTEMA EPIC ECO SKY SPEED



Set the tripods
Nastavitev tronožcev.



Adjust the props to the proper height.
Nastavitev podpornikov na ustrezno višino.



Mount the props onto the tripods.
Pritrditev podpornikov na tronožce.



Slot the Speed bracket into the prop. This is a big advantage, as there is no need for heads and forks. The head of the prop may not be wider than 12 cm / 4,7 in and the diameter of the hole in the prop not smaller than 4 cm / 1,5 in.
Vstavimo nastavek na speedu v podpornik ,kar je velika prednost.Ne potrebujemo nobenih glav in vilic. Glava podpornika ne sme biti širša od 12 cm, fi luknje v podporniku pa ne manjši kot 4 cm.



Place the Speed on two props.
Položimo speed na dva podpornika.



The mounting brackets on the Speed are designed so that the Speed can stand on its own without a prop.
Uhlji na speedu so prirejeni zato, da lahko speed stoji sam brez podpornika.



Mount the stoppers on the Speed. They are intended for the slotting of several Eco elements.
V speed vstavimo stoperje , ki so namenjeni za pritrditev eco elementov med seboj.



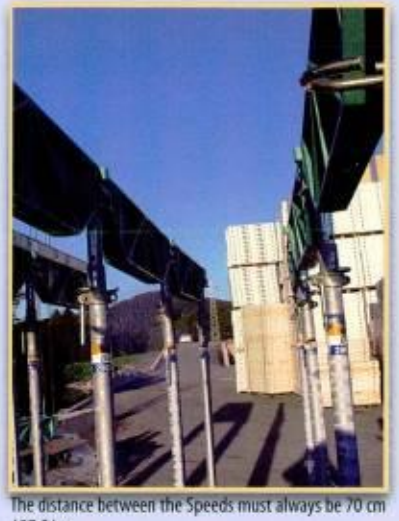
Slot one Speed into the other, which gives the length for the next prop.
Zložimo speed v speed in imamo nastavljeno dolžino za naslednji podpornik.



Self-standing Speed.
Zgled samostoječega speeda.

ASSEMBLING OF CEILING SYSTEM EPIC ECO SKY SPEED

MONTAŽA STROPNEGA OPAŽNEGA SISTEMA EPIC ECO SKY SPEED



The distance between the Speeds must always be 70 cm / 27,5 in.
Razdalja med speedi vedno 70 cm.



Eco elements are combined as shown. The advantage of the Speeds is that they can be used with the panels or other formwork elements.
Eco elemente med seboj pričvrstimo, kot prikazuje slika. Prednost speedov je v tem ,da jih lahko uporabljamo tudi z opažno ploščo ali z drugimi sistemskimi opaži.



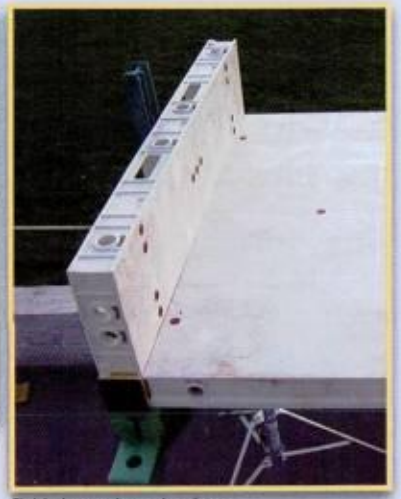
Level for the levelling of panels.
Libela za izravnavanje opaža.



Epic Eco Sky Speed.
Epic eco sky speed.



The Epic Eco Sky Speed enables the design of an unlimited range of concrete beams in the ceiling.
Z Epic Eco Sky speedom lahko izdelujemo poljubne nosilce v ploščah.



Finish the panel or make a fence.
Lahko zaključimo stropni opaž ali pa naredimo ograjo.

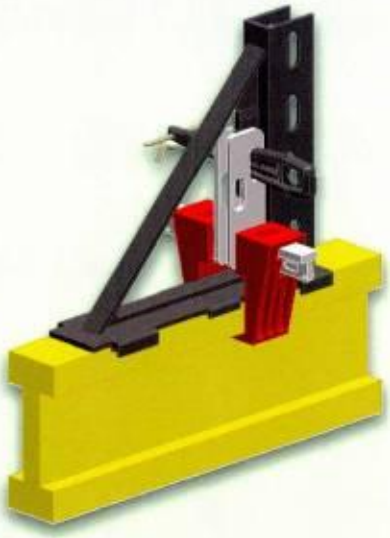


The Speeds can be placed in all directions, bound together or be left as self-standing.
Speede lahko postavljamo v vse smeri ,lahko jih vežemo med seboj ali pa stojijo posamezno.



When the panelling is levelled and the remaining holes are plugged, you can start installing the electrical fittings, which cannot be done with nails thicker than 2.7 mm / 0,1 in. After installing plumbing fittings, proceed as with any other formwork systems.
Ko je opaž zniveliran in so luknje na opažu zamašene, lahko pričnemo z montažo električne napeljave, seveda pričvrstitev le-te ne sme biti z žeblji, debelejšimi od 2,7mm,nato postavitev armature, naprej pa enako, kot pri ostalih sistemih za opažanje.







UNIVERSAL CLAMP FOR CEILING SYSTEMS

It can be used on wooden beams, EPIC ECO SKY SPEED and like stop end.

UNIVERZALNA SPONA ZA STROPNE OPAŽE

Lahko se uporablja na lesenih I nosilcih, EPIC ECO SKY SPEEDU in kot zaključek opaža, stropov, temeljev,...





EPIC ECO SKY SPEED CEILING SYSTEM

EPIC ECO SKY SPEED STROPNI OPAŽ



Renewal of old hotel PALACE, Portorož, Slovenia
Obnova starega hotela PALCE, Portorož, Slovenija



EPIC ECO SKY SPEED CEILING SYSTEM

EPIC ECO SKY SPEED STROPNI OPAŽ







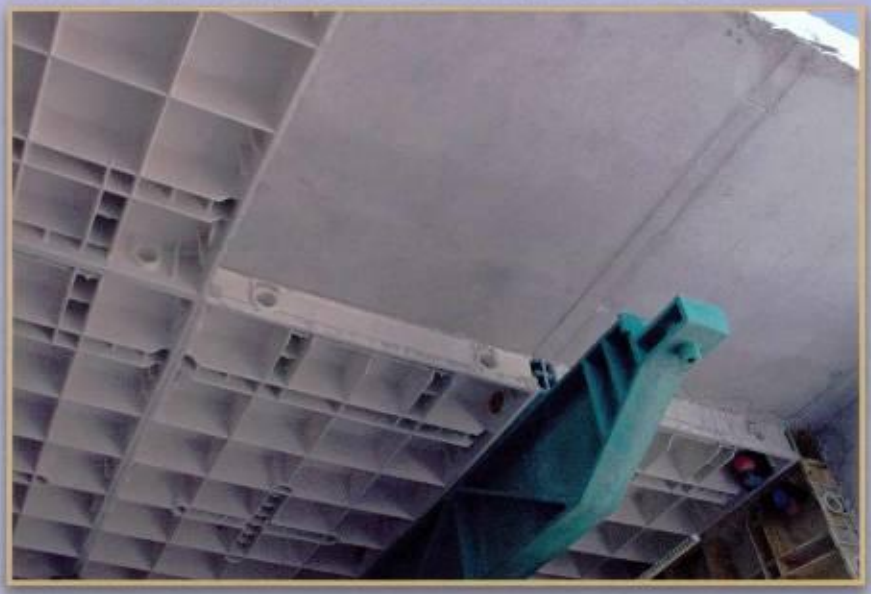






EPIC ECO SKY SPEED CEILING SYSTEM

EPIC ECO SKY SPEED STROPNI OPAŽ





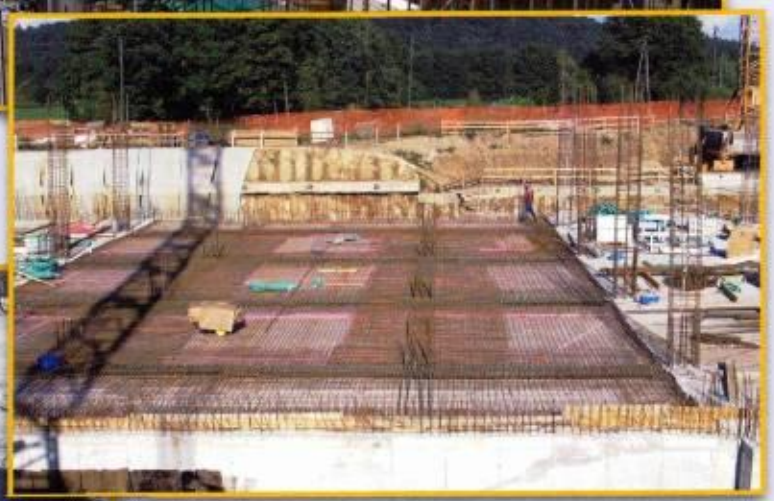
















EPIC ECO SKY LIGHT / LAHKI

KOMPOZITNI STROPNI OPAŽ EPIC ECO S PODPORNIKI TER GLAVO ZA STROPNI OPAŽ IN KOMPOZITNIMI OPAŽNIMI ELEMENTI EPIC ECO.
S tem načinom opažanja lahko izdelamo debelino betonske plošče do **15 cm**. Z novimi modrimi Epic ECO elementi pa debelino do **25 cm.**

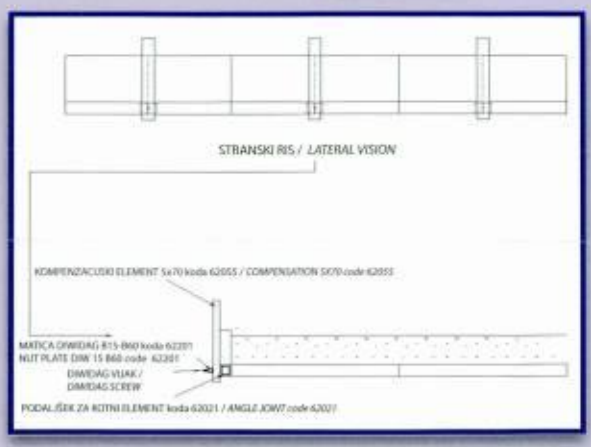
COMPOSITE CEILING SYSTEM EPIC ECO WITH PROPS, FLOOR SUPPORT AND COMPOSITE PIECES EPIC ECO
*With this system of formwork we can manufacture concrete plates with thickness up to **15 cm / 6 inch**.*
With new blue Epic ECO elements thickness up to 25 cm / 10 inch.

Elemente EPIC-ECO, ki jih uporabljamo za izdelavo vertikalnih sten, lahko samo z enim dodatnim elementom – plastično glavo za podpornike, uporabimo za opažanje stropov.
Hitrost opažanja je s plastičnimi sistemi EPIC ECO zelo velika, bogata paleta elementov pa dovoljuje optimalnost kompozicije opažanja – ne postavljajo se odvečni m^2 sistema, ker je površina opažanja skoraj enaka površini betona.
Kompozitni sistemi EPIC ECO so praktično neuničljivi, elementi zdržijo 6 do 10 let opažanja, potem pa se elementi reciklirajo.



The EPIC ECO elements, which are used for manufacture of vertical walls, can be used for manufacture of ceilings by adding only one additional element – plastic top for props.
The speed of panelling with the composite systems EPIC ECO is very fast, and abundant palette of elements allows the best possible panelling composition; no redundant area of system is installed, because the area of panelling almost completely matches the area covered in concrete.
The composite systems EPIC ECO are practically indestructible. The elements withstand from 6 to 10 years of installations, after which they are recycled.







ZAPRTJE STROPNE PLOŠČE Z ISTIMI ELEMENTI EPIC-ECO IN OBENEM IZDELAVA ZAŠČITNE OGRAJE

THE CLOSURE OF CEILING PANEL WITH THE SAME EPIC-ECO ELEMENTS AND THE MANUFACTURE OF THE PROTECTIVE FENCEt

COMPONENTS OF CEILING SYSTEM EPIC ECO SKY LIGHT

ELEMENTI STROPNEGA OPAŽNEGA SISTEMA EPIC ECO SKY LIGHT/ LAHKI



PIECE ECO STRONG 27,5 x 55 in
ELEMENT ECO STRONG 70 x 140 cm

Code / *Koda*: 62000
Weight / *Teža*: 45,6 lb / 20,7 kg



PIECE ECO 27,5 x 27,5 in
ELEMENT ECO 70 x 70 cm

Code / *Koda*: 62013
Weight / *Teža*: 16,7 lb / 7,60 kg



PIECE ECO 27,5 x 55 in
ELEMENT ECO 70 x 140 cm

Code / *Koda*: 62001
Weight / *Teža*: 43 lb / 19,50 kg



PIECE ECO 11,8 x 27,5 in
ELEMENT ECO 30 x 70 cm

Code / *Koda*: 62017
Weight / *Teža*: 8 lb / 3,70 kg



PIECE ECO 19,7 x 55 in
ELEMENT ECO 50 x 140 cm

Code / *Koda*: 62003
Weight / *Teža*: 28 lb / 12,60 kg



FLOOR SUPPORT
GLAVA ZA STROPNI OPAŽ

Code / *Koda*: 62060
Weight / *Teža*: 1,3 lb / 0,61 kg



PIECE ECO 15,7 x 55 in
ELEMENT ECO 40 x 140 cm

Code / *Koda*: 62005
Weight / *Teža*: 24 lb / 10,82 kg



TRIPOD EPIC
TRONOŽEC EPIC

Code / *Koda*: 000481
Weight / *Teža*: 29,3 lb / 13,3 kg



PIECE ECO 11,8 x 55 in
ELEMENT ECO 30 x 140 cm

Code / *Koda*: 62007
Weight / *Teža*: 18,5 lb / 8,42 kg



PROP EPIC 6,9 - 11,5 ft
PODPORNIK EPIC 210 -350 cm

Code / *Koda*: 004784
Weight / *Teža*: 33 lb / 15 kg



PIECE ECO 7,9 x55 in
ELEMENT ECO 20 x 140 cm

Code / *Koda*: 62009
Weight / *Teža*: 12,3 lb / 5,57 kg



FAST TAKING DOWN ELEMENT
ELEMENT ZA RAZOPAŽANJE

Code / *Koda*: 62056
Weight / *Teža*: 2,3 lb / 1,06 kg



COMPENSATION PIECE 2 x 27,5 in
KOMPEZACIJSKI ELEMENT 5 X 70 mm

Code / *Koda*: 62055
Weight / *Teža*: 3 lb / 1,40 kg



SQUARE FOR SIDE PANEL
SPONA NOSILCA

Code / *Koda*: 62063
Weight / *Teža*: 2,26 lb / 1,03 kg



PIVOT
KLIN

Code / *Koda*: 62030
Weight / *Teža*: 0,28 lb / 0,13 kg



WEDGE K
ZAGOZDA K

Code / *Koda*: 64622
Weight / *Teža*: 0,34 lb / 0,155 kg



2 HOLES PIVOT
KLIN PODALJŠANI

Code / *Koda*: 62031
Weight / *Teža*: 0,46 lb / 0,21 kg



CURSOR
SMERNIK SPONE NOSILCA

Code / *Koda*: 62069
Weight / *Teža*: 0,74 lb / 0,335 kg



3 HOLES PIVOT
KLIN PODALJŠANI 3

Code / *Koda*: 62036
Weight / *Teža*: 0,47 lb / 0,212 kg



CLAMP
PRIMEŽ SPONE NOSILCA

Code / *Koda*: 62070
Weight / *Teža*: 0,63 lb / 0,29 kg



WEDGE
ZAGOZDA

Code / *Koda*: 62032
Weight / *Teža*: 0,08 lb / 0,04 kg



CLAMP BLOCKING PIN
ZATIČ ZA PRIMEŽ

Code / *Koda*: 62071
Weight / *Teža*: 0,03 lb / 0,012 kg



WASHER
OBJEMKA

Code / *Koda*: 62057
Weight / *Teža*: 0,008 lb / 0,004 kg



SPRING CLAMP
ZATIČ ZA PRIMEŽ

Code / *Koda*: 64623
Weight / *Teža*: 0,02 lb / 0,007 kg



WEDGE EXTRACTOR
KLJUČ ZA ZAGOZDE

Code / *Koda*: 62200
Weight / *Teža*: 3,5 lb / 1,59 kg



SQUARE FOR SIDE PANEL - WITH WEDGE K
SPONA NOSILCA - KOMPLET

Code / *Koda*: 62064
Weight / *Teža*: 5,35 lb / 2,43 kg

USER PLUS SUPPLEMENT MATERIAL EPIC ECO

POTROŠNI IN DODATNI MATERIAL EPIC ECO



PLUG DIAMETER 20
ČEP 20

Code / *Koda*: 63000
Weight / *Teža*: 0,003 lb / 0,0016 kg



ROSETTE 0,86 in
ROZETA 22 mm

Code / *Koda*: 002524
Weight / *Teža*: 0,008 lb / 0,004 kg



BORER d. 0,7/1 in
SVEDER d. 20/26 mm

Code / *Koda*: 62300
Weight / *Teža*: 2 lb / 0,9 kg



RUBBER PLUG 0,86 in
GUMI ČEP 22m

Code / *Koda*: 000942
Weight / *Teža*: 0,015 lb / 0,007 kg



PUMP FOR APPLYING ECO2
BRIZGALKA ZA NANAŠANJE ECO2

Code / *Koda*: K6S
Weight / *Teža*: 3,6 lb / 1,63 kg



PLUG FOR ROSETTE 1000 pcs
ČEP ZA ROZETO 1000 kos

Code / *Koda*: 003262
Weight / *Teža*: 0,003 lb / 0,0016 kg



PRODUCT FOR REPAIRING ECO 3
PRODUKT ZA PORAVILO ELEMENTA ECO 3

Code / *Koda*: 71000
Weight / *Teža*: 11,08 lb / 5,03 kg



DISTANCER WITH ROSETTE
5,9 - 7,9 - 9,8 - 11,8 in
DISTANČNIK Z ROZETO
150, 200, 250, 300 mm

Weight / *Teža*: 0,06-0,1 lb / 30-50 g



ACID FOR DISSOLVING ECO2
KISLINA ZA RAZTAPLJANJE ECO2

Code / *Koda*: 03395
Weight / *Teža*: 6,6 gal / 25,2 l



RUBBER HAMMER
GUMJASTO KLADIVO

Code / *Koda*: 001183
Weight / *Teža*: 2,2 lb / 1 kg



PLASTIC TUBE l = 6,56 ft
CEV JUVIDUR l =2 m

Code / *Koda*: 004246
Weight / *Teža*: 0,88 lb / 0,4 kg



FORMWORK OIL
OPAŽNO OLJE

Code / *Koda*: 004751
Weight / *Teža*: 38 lb / 17,2 kg

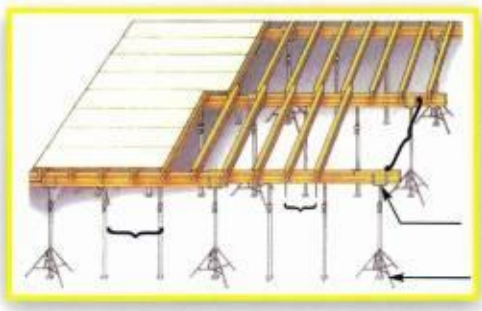
EPIC ECO SKY WOOD / LESENI

KOMPOZITNI STROPNI OPAŽ EPIC ECO SKY WOOD / LESENI S PODPORNIKI , LESENIMI NOSILCI IN OPAŽNIMI ELEMENTI EPIC ECO
Z EPIC ECO SKY WOOD / LESENI opažamo stropne plošče do debeline **50 cm.**

COMPOSITE EPIC ECO SKY WOOD WITH PROPS, WOODEN BEAMS AND COMPOSITE PIECES EPIC ECO
*With EPIC ECO SKY WOOD we can manufacture concrete plates with thickness up to **50 cm / 20 inch**.*



Kompozitni sistemi EPIC ECO SKY WOOD / LESENI predstavljajo način za zmanjšanje stroškov vsem gradbenikom in nudijo rešitev za povečanje konkurenčnosti vsem samostojnim gradbenim podjetnikom ter vsem malim, srednjim ter velikim gradbincem za opažanje stropov.
The composite systems EPIC ECO provide means for lowering of cost for all building contractors and present a solution for increasing the competitiveness for all independent construction businesses, and all small, medium size and large construction companies for ceilings.





Opažanje stropov s sistemi EPIC ECO SKY WOOD / LESENI predstavljajo novost in revolucijo pri opažanju stropov, saj z uporabo teh sistemov korenito zmanjšamo strošek lesa - odpade uporaba klasičnih lesenih opažnih plošč za opažanje stropov.
The panelling of ceilings with EPIC ECO SKY WOOD represents a novelty and revolution in ceiling system, for they considerably lower the cost of wood by using this system – there is no cost of shuttering wooden panels for ceiling panelling.











COMPONENTS OF CEILING SYSTEM EPIC ECO SKY WOOD

ELEMENTI STROPNEGA OPAŽNEGA SISTEMA EPIC ECO SKY WOOD / LESENI



PIECE ECO STRONG 27,5 x 55 in
ELEMENT ECO STRONG 70 x 140 cm

Code / *Koda*: 62000
Weight / *Teža*: 45,6 lb / 20,7 kg



PIECE ECO 19,7 x 55 in
ELEMENT ECO 50 x 140 cm

Code / *Koda*: 62003
Weight / *Teža*: 28 lb / 12,60 kg



PIECE ECO 27,5 x 55 in
ELEMENT ECO 70 x 140 cm

Code / *Koda*: 62001
Weight / *Teža*: 43 lb / 19,50 kg



PIECE ECO 15,7 x 55 in
ELEMENT ECO 40 x 140 cm

Code / *Koda*: 62005
Weight / *Teža*: 24 lb / 10,82 kg



PIECE ECO 11,8 x 55 in
ELEMENT ECO 30 x 140 cm

Code / *Koda*: 62007
Weight / *Teža*: 18,5 lb / 8,42 kg



PIECE ECO 7,9 x55 in
ELEMENT ECO 20 x 140 cm

Code / *Koda*: 62009
Weight / *Teža*: 12,3 lb / 5,57 kg



PIECE ECO 27,5 x 27,5 in
ELEMENT ECO 70 x 70 cm

Code / *Koda*: 62013
Weight / *Teža*: 16,7 lb / 7,60 kg



PIECE ECO 11,8 x 27,5 in
ELEMENT ECO 30 x 70 cm

Code / *Koda*: 62017
Weight / *Teža*: 8 lb / 3,70 kg



WOODEN BEAM 1.9 - 2.9 - 3.9 - 4.9m
LESENI NOSILEC 1.9 - 2.9 - 3.9 - 4.9m



FORK
VILICA

Code / *Koda*: 003840
Weight / *Teža*: 4,4 lb / 2 kg



GLAVA ZA LESENI NOSILEC
HEAD FOR WOODEN BEAM

Code / *Koda*: 002259
Weight / *Teža*: 2,25 lb / 1,02 kg



TRIPOD EPIC
TRONOŽEC EPIC

Code / *Koda*: 000481
Weight / *Teža*: 29,3 lb / 13,3 kg



PROP EPIC 6,9 - 11,5 ft
PODPORNIK EPIC 210 -350 cm

Code / *Koda*: 004784
Weight / *Teža*: 33 lb / 15 kg



FAST TAKING DOWN ELEMENT
ELEMENT ZA RAZOPAŽANJE

Code / *Koda*: 62056
Weight / *Teža*: 2,3 lb / 1,06 kg



COMPENSATION PIECE 2 x 27,5 in
KOMPEZACIJSKI ELEMENT 5 X 70 mm

Code / *Koda*: 62055
Weight / *Teža*: 3 lb / 1,40 kg



PIVOT
KLIN

Code / *Koda*: 62030
Weight / *Teža*: 0,28 lb / 0,13 kg



2 HOLES PIVOT
KLIN PODALJŠANI

Code / *Koda*: 62031
Weight / *Teža*: 0,46 lb / 0,21 kg



3 HOLES PIVOT
KLIN PODALJŠANI 3

Code / *Koda*: 62036
Weight / *Teža*: 0,212 lb / 0,47 kg



WEDGE
ZAGOZDA

Code / *Koda*: 62032
Weight / *Teža*: 0,08 lb / 0,04 kg



WASHER
OBJEMKA

Code / *Koda*: 62057
Weight / *Teža*: 0,008 lb / 0,004 kg



WEDGE EXTRACTOR
KLJUČ ZA ZAGOZDE

Code / *Koda*: 62200
Weight / *Teža*: 3,5 lb / 1,59 kg



SQUARE FOR SIDE PANEL
SPONA NOSILCA

Code / *Koda*: 62063
Weight / *Teža*: 2,26 lb / 1,03 kg



WEDGE K
ZAGOZDA K

Code / *Koda*: 64622
Weight / *Teža*: 0,34 lb / 0,155 kg



CURSOR
SMERNIK SPONE NOSILCA

Code / *Koda*: 62069
Weight / *Teža*: 0,74 lb / 0,335 kg



CLAMP
PRIMEŽ SPONE NOSILCA

Code / *Koda*: 62070
Weight / *Teža*: 0,63 lb / 0,29 kg



CLAMP BLOCKING PIN
ZATIČ ZA PRIMEŽ

Code / *Koda*: 62071
Weight / *Teža*: 0,03 lb / 0,012 kg



SPRING CLAMP
ZATIČ ZA PRIMEŽ

Code / *Koda*: 64623
Weight / *Teža*: 0,02 lb / 0,007 kg



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SVEDER d. 20/26 mm

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PLASTIC TUBE l = 6,56 ft
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Code / *Koda*: 004246
Weight / *Teža*: 0,88 lb / 0,4 kg



FORMWORK OIL
OPAŽNO OLJE

Code / *Koda*: 004751
Weight / *Teža*: 38 lb / 17,2 kg

EPIC ECO PANEL MAINTENANCE

VZDRŽEVANJE EPIC ECO OPAŽA

EPIC ECO TOOLS
EPIC ECO ORODJE











- Panels must be cleaned after every use
- Grease front and back side with formwork oil
- Do not scratch panels on concrete
- Bolts and nails may be used (nail length max. 5 cm, width max 2.7 mm)
- Cleaning the panels with high-pressure cleaner
- Clean the back side with water immediately after the concrete is poured into the formwork
- Close unused slots for Diwidak screws with plugs
- Use only rubber hammer and Eco key for assembly and disassembly
- Always use gloves, helmet, overalls and working shoes
- During disassembly always store connective material in the supplied vessels
- Store panels on wooden beams with the back side down
- When returning panels place them on the pallets
- Any changing of panel forms (cutting, drilling) is prohibited
- Up to four elements may be moved together if they are fastened with clamps

- opaž je potrebno po vsaki uporabi redno očistiti
- premazovanje prednje in hrbtne strani z opažnim oljem
- ne drsati z opaži po betonu
- uporaba žebljev in vijakov (max. širina 2.7 mm, max. dolžina 5 cm)
- čiščenje opaža z vapom
- takoj po vgrajevanju betona v opaž z vodo očistiti hrbtno stran
- potrebno zapreti neuporabljene luknje za diwidak vijake na opažu s čepi
- pri montaži in demontaži uporabljati samo gumi kladivo in ključ Eco
- obvezna uporaba rokavic, čelade, delovne obleke ter delovne obutve
- pri demontaži obvezno shranjevanje veznega materiala v za to dostavljene posode
- med fazami opaževanja shranjevanje opaža na lesene morale s hrbtno stranjo navzdol
- pri vračilu upoštevati zlaganje opaža na palete
- prepovedano kakršnokoli spreminjanje oblike opaža (rezanje, vrtanje...)
- dovoljeno prenašanje 4 elementov skupaj, v kolikor je na opažih izravnava.



TEHNICAL DATA

TEHNIČNI PODATKI

EPIC ECO® formwork system patent pending world wide
EPIC ECO® opažni sistem zaščiten s patentom po svetu

TABLE OF CONCRETE PANELLING POURING-TIME ECO 1200 psf

TABELA ZA ČAS POLNITVE BETONSKEGA OPAŽA ECO 60 kN/m².

1 - POURING HEIGHT: UP TO 1.6 M / 5,25 ft - WITHOUT LIMITATIONS

MEANS THAT POURING CAN BE CARRIED OUT WITHOUT ANY LIMITATIONS WHATSOEVER

1 - VIŠINA POLNITVE DO 1,60 M - NI OMEJITEV

POMENI, DA SE POLNITEV LAHKO OPRAVI BREZ KAKRŠNIHKOLI OMEJITEV

2 - POURING HEIGHT:ABOVE 1.6 M / 5,25 ft

2 - VIŠINA POLNITVE NAD 1,60 M

NORMAL TEMPERATURE FROM 23° F TO + 68° F
NORMALNA TEMPERATURA OD - 5° C DO + 20°C

POURING VELOCITY:
MUST BE SLOWER THAN 3.2 M / 10 ft PER HOUR
HITROST NE VEČJA OD 3,20 METROV NA URO

MEANS THAT CONCRETE PANELLING OF 2.8 M / 9 ft IN HEIGHT CAN BE POURED IN A TIME LASTING NO LESS THAN 52 MINUTES
POMENI, DA SE BETONSKI OPAŽ VIŠINE 2,80 M LAHKO NAPOLNI V ČASU NE KRAJŠEM OD 52 MINUT

NORMAL TEMPERATURE FROM +68° F TO +104° F
NORMALNA TEMPERATURA OD +20°C DO +40° C

POURING VELOCITY:
MUST NOT BE GREATER THAN 2.9 M / 9,5 ft PER HOUR
HITROST NE VEČJA OD 2,90 METROV NA URO

MEANS THAT CONCRETE PANELLING OF 2.8 M / 9 ft IN HEIGHT CAN BE POURED IN A TIME LASTING NO LESS THAN 58 MINUT
POMENI, DA SE BETONSKI OPAŽ VIŠINE 2,80 M LAHKO NAPOLNI V ČASU NE KRAJŠEM OD 58 MINUT

APPLIES TO ALL TYPES OF CONCRETE EXCEPT FOR THE SUPERFLUID - SELF LEVELLING (SUPERFLUIDO - AUTOLIVELLANTE) (S 5)
VELJA ZA VSE VRSTE BETONA, RAZEN ZA SUPERTEKOČEGA - SAMOIZRAVNALNEGA (SUPERFLUIDO - AUTOLIVELLANTE) (S 5)

3 - CONCRETE, SUPERFLUID - SELF LEVELLING (S5)

USING THIS TYPE OF CONCRETE REDUCES POURING TIMES FROM **3.2 m / 10 ft TO 2.5 m / 8,2 ft PER HOUR**
AND FROM 2.9 m/ 9,5 ft TO 2.3 m / 7,5 ft PER HOUR

3 - BETON, SUPERTEKOČI - SAMOIZRAVNALNI (S5)

*OB UPORABI TE VRSTE BETONA SE HITROSTI ZMANJŠAJO Z **3,20 M NA 2,50 M IN 2,90 M NA 2,30 M NA URO***

COMMENTS / OPOMBE

1 - POURING SHOULD BE GRADUAL AND CONSTANT AT ALL TIMES
1 - POLNITEV OPRAVITE POSTOPOMA IN ENAKOMERNO.
2 - POTENTIAL CONCRETE VIBRATIONS SHOULD BE TAKEN INTO ACCOUNT AT THE INDICATED VELOCITIES
2 - PRI NAVEDENIH HITROSTIH SO UPOŠTEVANE MOŽNE VIBRACIJE BETONA

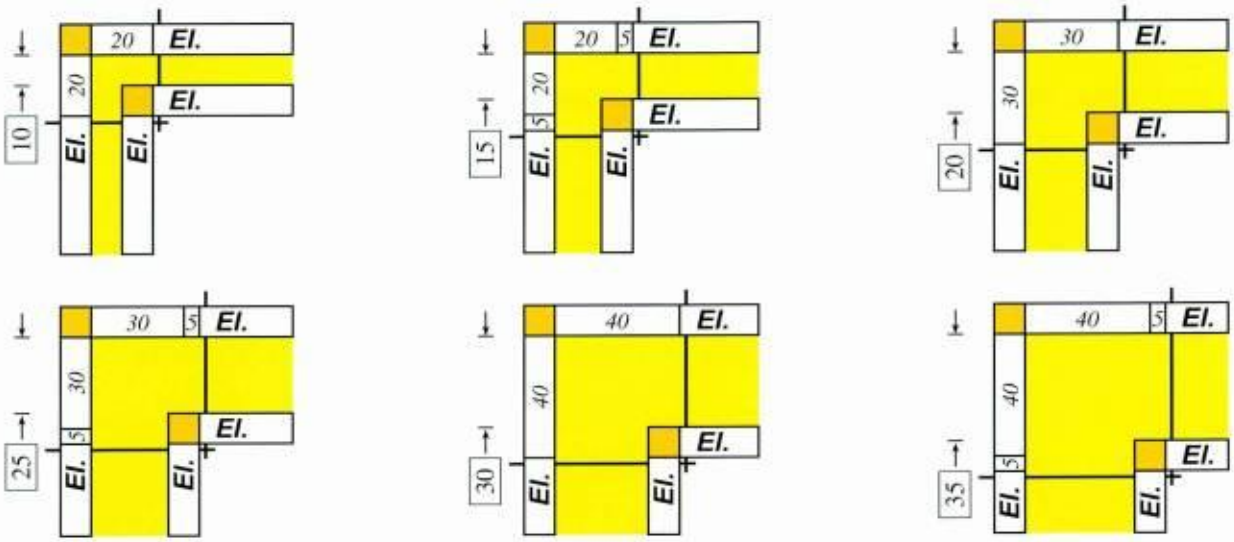
RECOMMENDATION / NASVET

POURING TIME CAN BE REDUCED BY INITIALLY POURING A LESS FLUID MIXTURE AND PROCEEDING WITH A CONCRETE FLUIDITY CHOSEN AT YOUR DISCRETION. FOR EXAMPLE: SUPPOSING YOU HAVE TO POUR FROM A HEIGHT OF 2.8 m / 9 ft; TO REDUCE THE POURING TIME, YOU CAN POUR A LESS FLUID CONCRETE MIXTURE (S3) UP TO 1.2 m / 4 ft HIGH AND THEN POURING THE REMAINING 1.6 m / 5,25 ft WITHOUT OBSERVING ANY TIME LIMITATIONS.

ČAS POLNITVE JE MOŽNO SKRAJŠATI S TEM, DA NAJPREJ POSKUSITE ULIVATI MANJ TEKOČI BETON IN NATO NADALJUJETE S POLJUBNO TEKOČNOSTJO (FLUIDNOSTJO) BETONA. PRIMER: PREDVIDEVAJMO, DA MORATE OPRAVITI POLNITEV V VIŠINI 2,80 M; ZA SKRAJŠANJE ČASA POLNITVE, LAHKO NAJPREJ Z MANJ TEKOČIM BETONOM (S3) ULIJETE 1,20 M NATO PA ŠE PREOSTALIH 1,60 M BREZ KAKRŠNIHKOLI ČASOVNIH OMEJITEV.

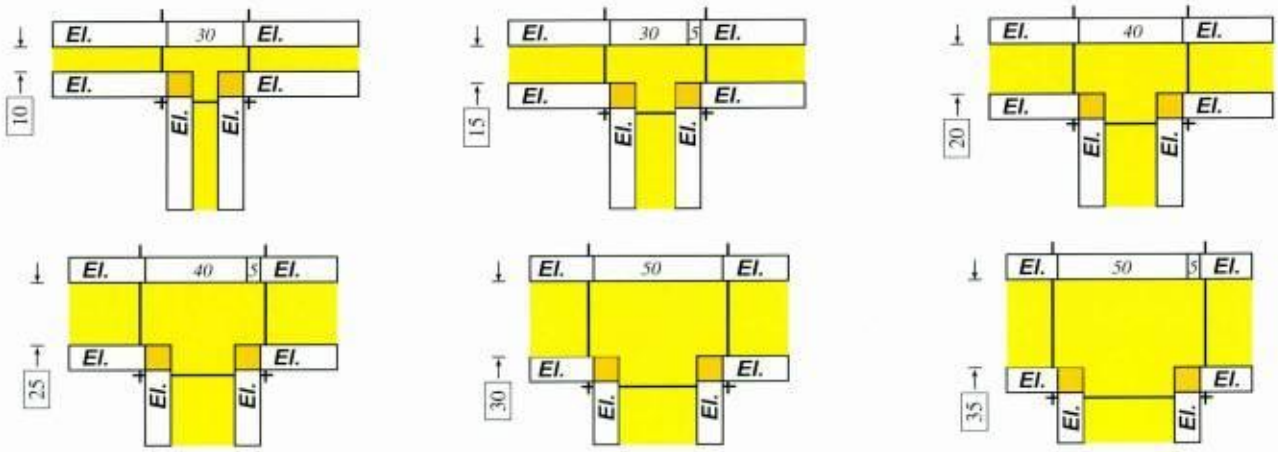
CORNER: 4 - 6 -7,8 - 9,8 -11,8 - 13,7 in

KOTI: 10 - 15 - 20 - 25 - 30 - 35 cm



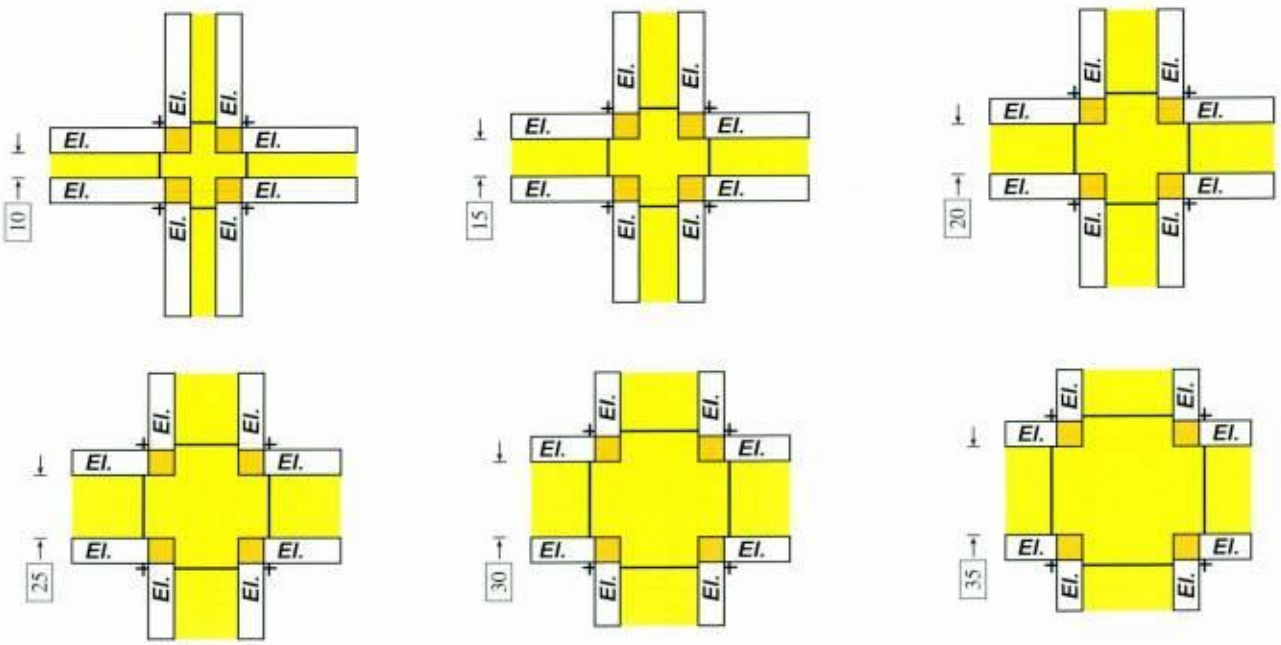
T SHAPED WALLS: 4 - 6 -7,8 - 9,8 -11,8 - 13,7 in

ZIDOVI NA T: 10 - 15 - 20 - 25 - 30 - 35 cm

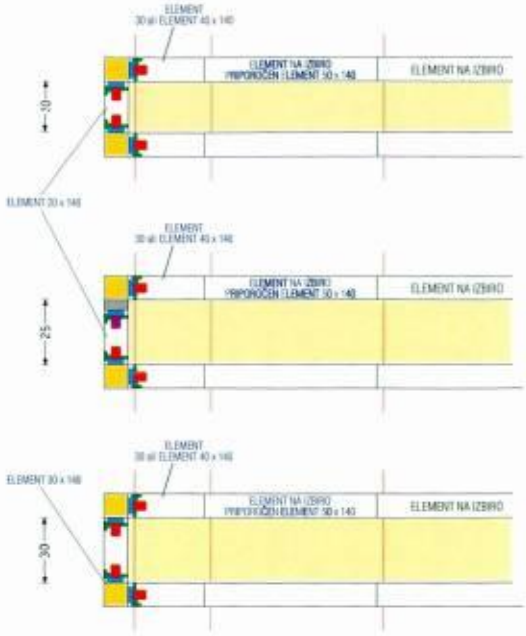


CROSS SHAPED WALLS: 4 - 6 -7,8 - 9,8 -11,8 - 13,7 in

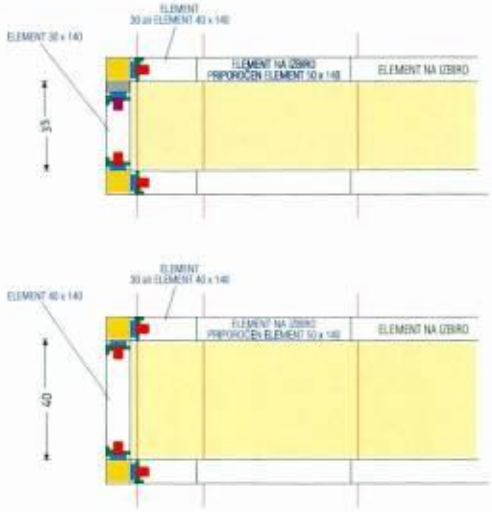
KRIŽNI ZODOVI: 10 - 15 - 20 - 25 - 30 - 35 cm



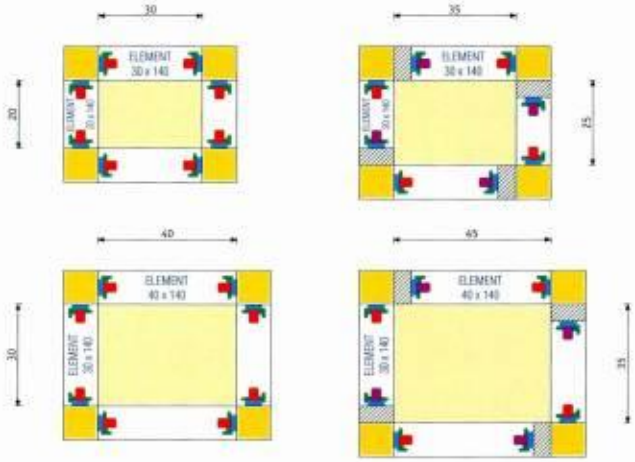
PANELLING FINISH: 4 - 6 -7,8 - 9,8 -11,8 - 13,7 in



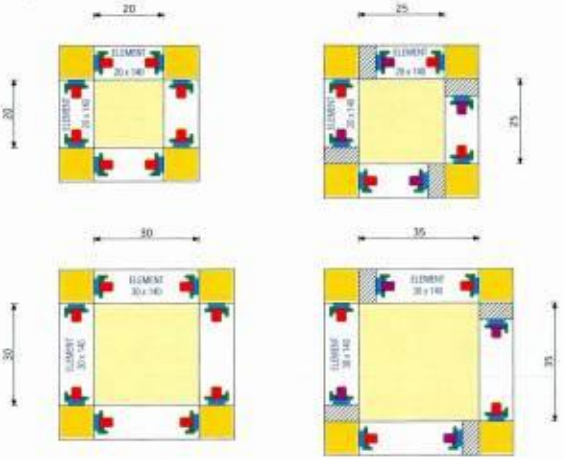
ZAKLJUČEK OPAŽA: 10 - 15 - 20 - 25 - 30 - 35 cm



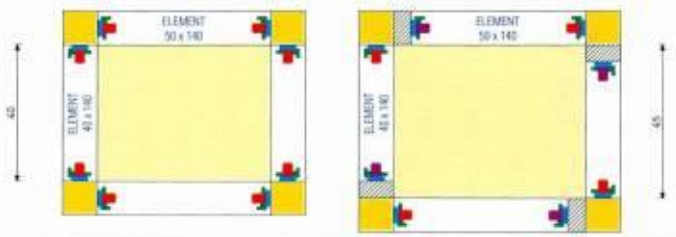
RECTANGULAR PILLARS / **STEBRI PRAVOKOTNI**

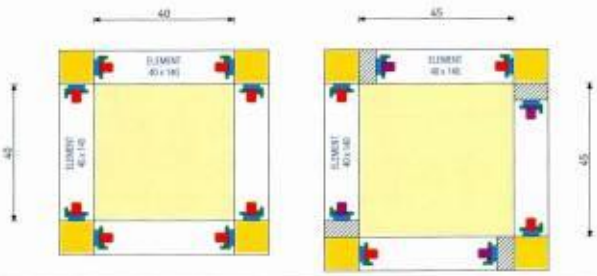


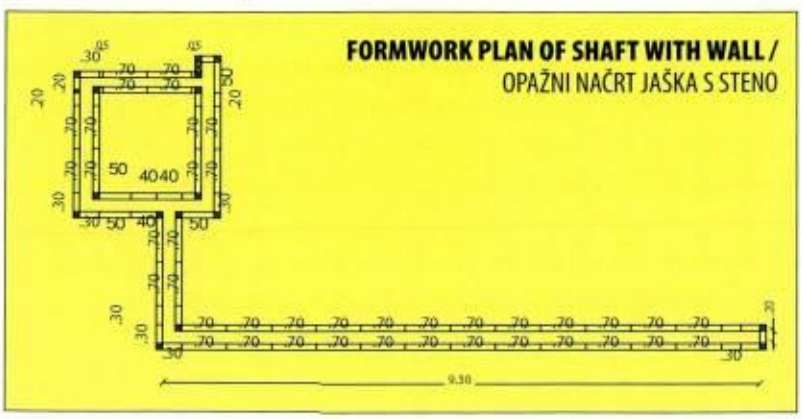
SQUARE PILLARS / **STEBRI KVADRATNI**



RECTANGULAR PILLARS / **STEBRI PRAVOKOTNI**





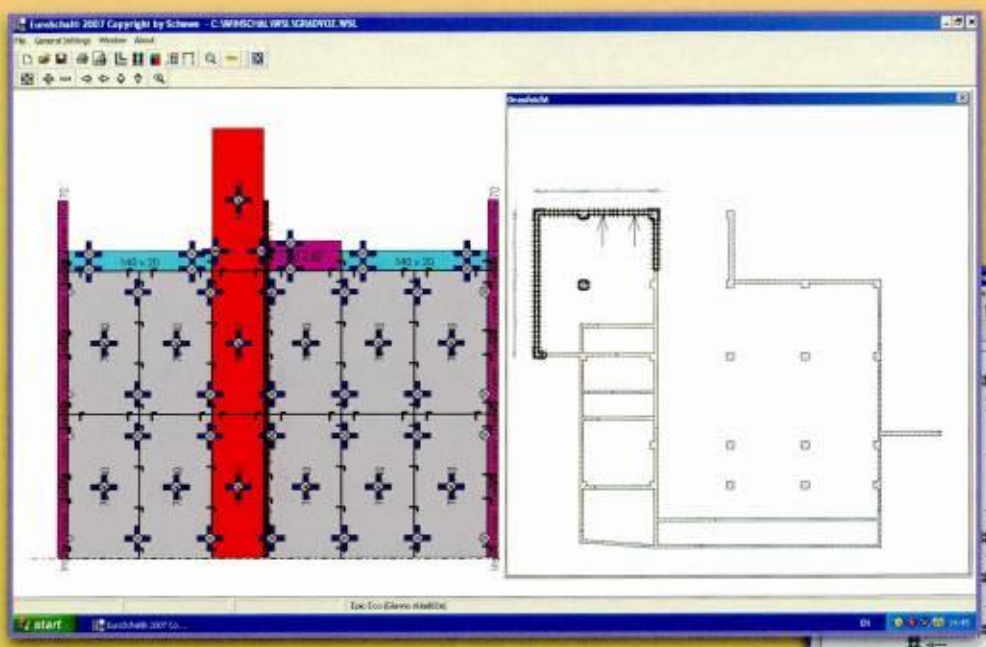


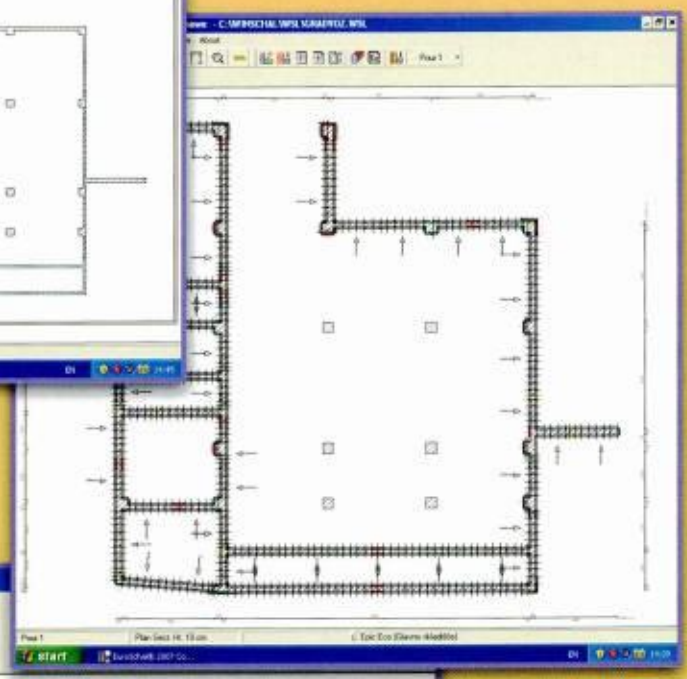
LEGEND / **LEGENDA**

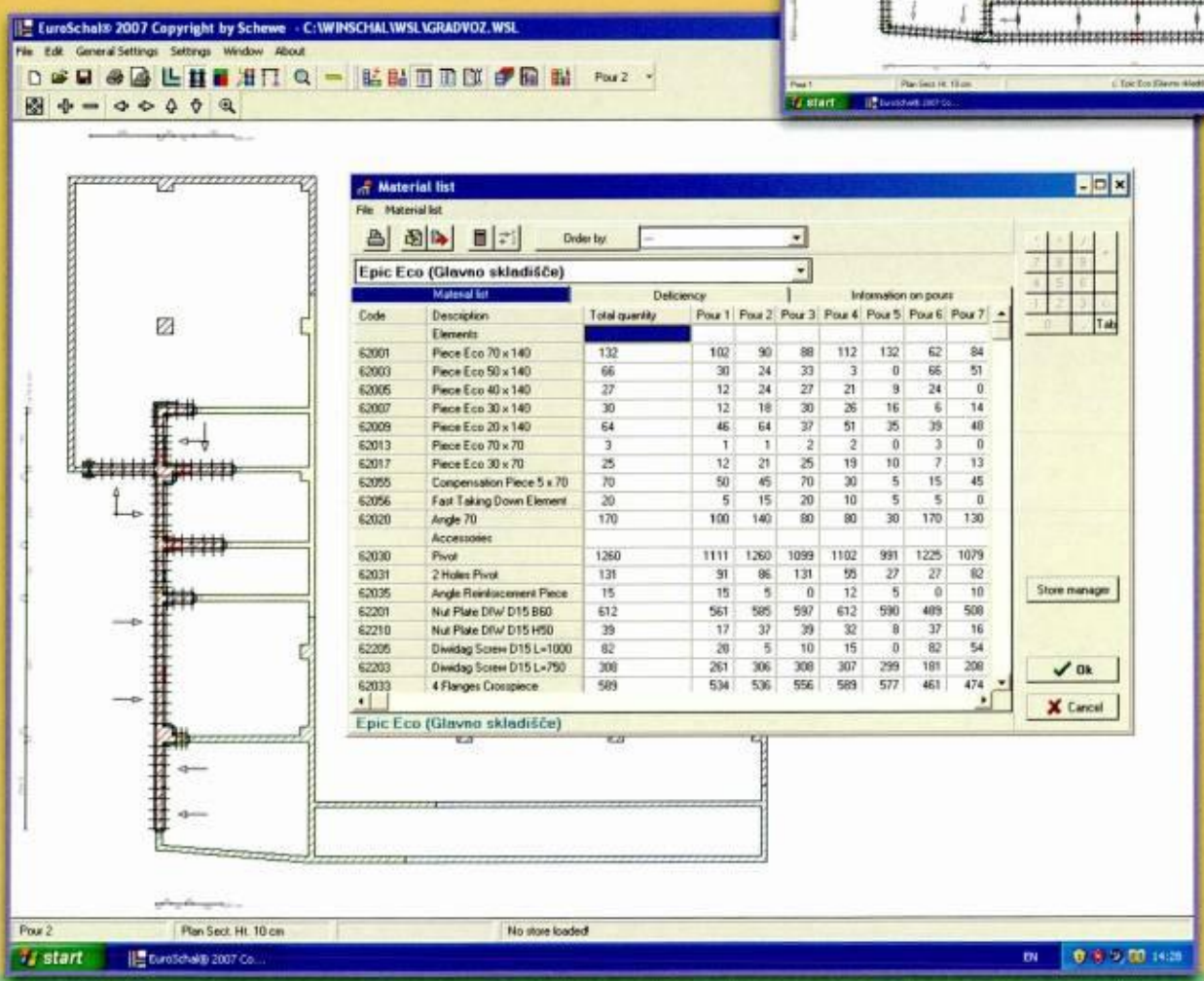
- pivot / klin
- 2 holes pivot / klin podaljšani
- compensation element 5 x70 / kompenzacijski element 5x 70
- diwidag screw on the edge of the element / diwidag vijak na robu elementa
- diwidag screw on the inner side of the element / diwidag vijak na notranji strani elementa
- diwidag screw through the central opening of the elemnt / diwidag vijak skozi centralno odprtino elementa

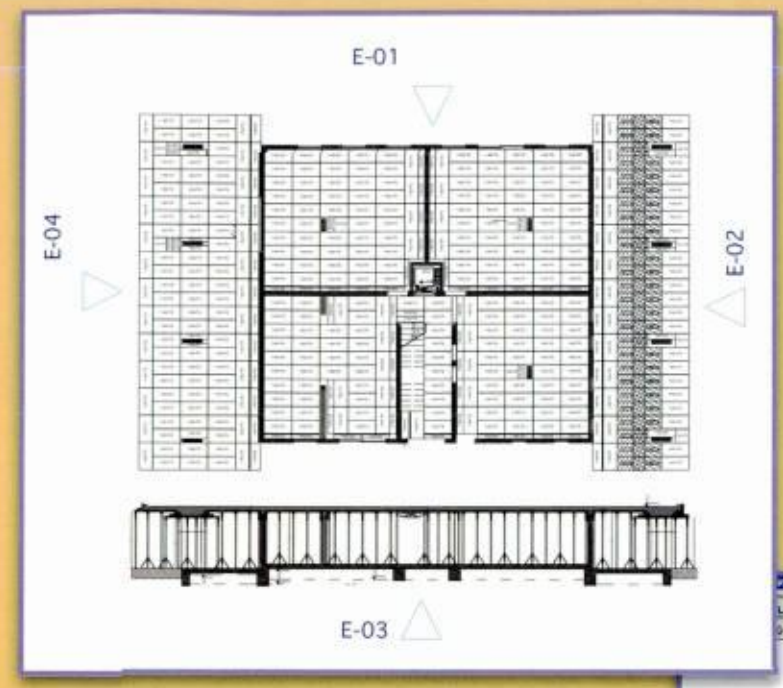
EXAMPLES OF FORMWORK PLANS WITH EPIC ECO SOFTWARE

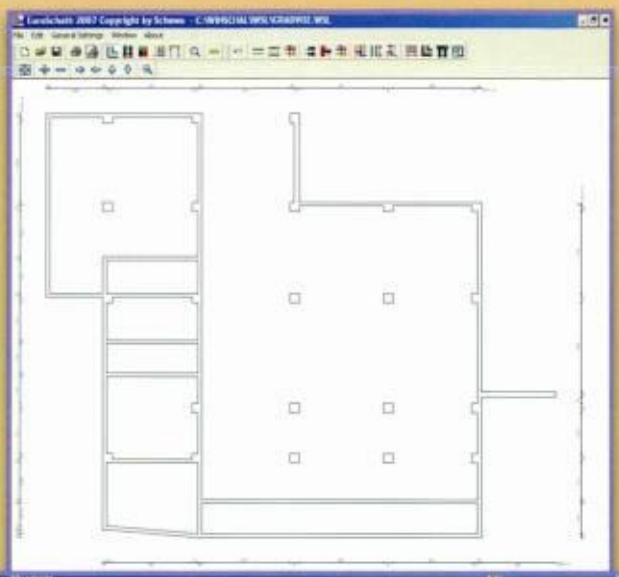
PRIMERI OPAŽNIH NAČRTOV Z EPIC ECO PROGRAMOM

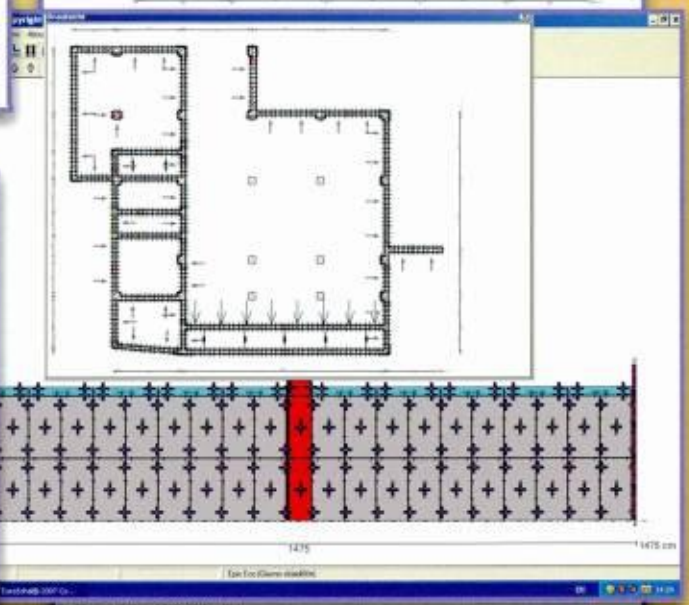


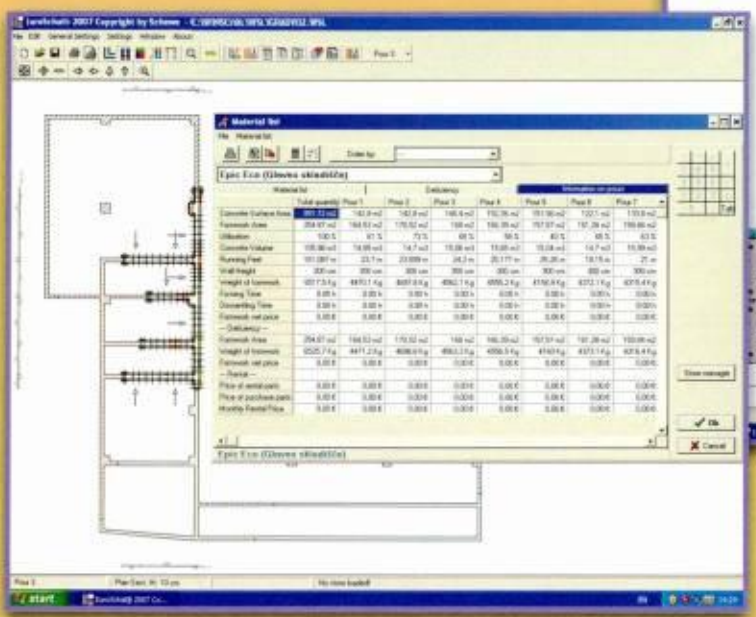


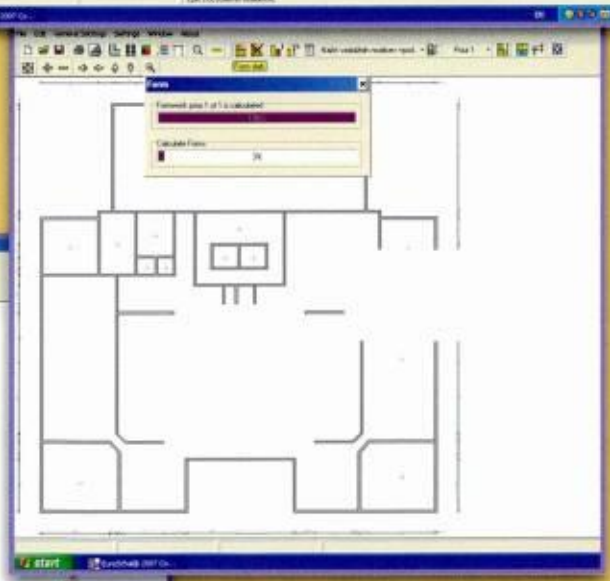


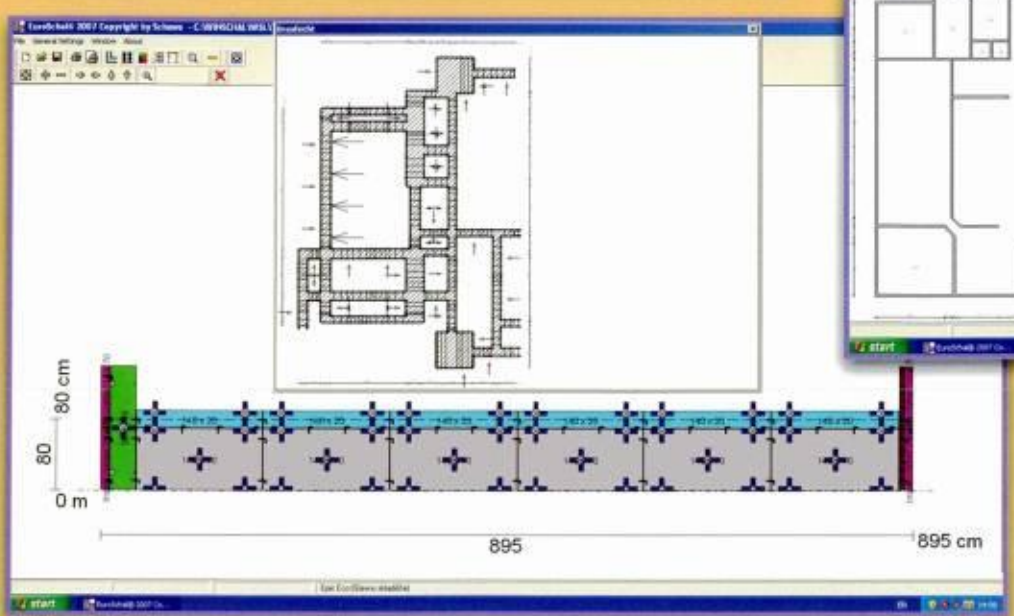

E-01
E-04
E-02
E-03




1475
1475 cm






80 cm
80
0 m
895
895 cm



EXAMPLE OF SPECIFICATION EPIC ECO FOR 1076 sqf - FOUNDATIONS

PRIMER SPECIFIKACIJE OPAŽA EPIC ECO ZA 100 M² - TEMELJI

	Nm	Code	Element	Dimension	Weight	Nm.of pieces
	Št	Koda	Artikel	Dimenzija	Teža	Št.kosov
PIECES EPIC ECO / ELEMENTI EPIC ECO	1	62001	PIECE ECO 70 x 140 ELEMENT ECO 70 X 140	27,5 x 55 inch 70 X 140 cm	43 lb 19,5 kg	84
	2	62003	PIECE ECO 50 x 140 ELEMENT ECO 50 X 140	19,5 x 55 inch 50 X 140 cm	28 lb 12,6 kg	8
	3	62005	PIECE ECO 40 x 140 ELEMENT ECO 40 X 140	15,7 x 55 inch 40 X 140 cm	24 lb 10,82 kg	8
	4	62007	PIECE ECO 30 x 140 ELEMENT ECO 30 X 140	11,8 x 55 inch 30 X 140 cm	18,5 lb 8,42 kg	8
	5	62009	PIECE ECO 20 x 140 ELEMENT ECO 20 X 140	7,9 x 55 inch 20 X 140 cm	12,3 lb 5,57 kg	8
	6	62013	PIECE ECO 70 x 70 ELEMENT ECO 70 X 70	27,5 x 55 inch 70 X 140 cm	16,7 lb 7,60 kg	4
	7	62017	PIECE ECO 30 x 70 ELEMENT ECO 30 X 70	11,8 x 27,5 inch 30 X 70 cm	8,0 lb 3,70 kg	4
ACCESSORIES FOR ELEMENTS / VEZNI ELEMENTI	8	62020	ANGLE 70 KOTNI ELEMENT 70	27,5 inch 70 cm	5,7 lb 2,60 kg	12
	9	62021	ANGLE JOINT PODALJŠEK ZA KOTNI ELEMENT	-	0,6 lb 0,28 kg	6
	10	62033	4 FLANGES CROSSPIECE KRIŽNI PRIMEŽ 4	-	1,7 lb 0,77 kg	221
	11	62034	3 FLANGES CROSSPIECE KRIŽNI PRIMEŽ 3	-	1,25 lb 0,57 kg	104
	12	62056	FAST TAKING DOWN ELEMENT ELEMENT ZA RAZOPAŽENJE	-	8,0 lb 3,70 kg	4
	13	62030	PIVOT KLIN	-	0,29 lb 0,13 kg	280
	14	62031	2 HOLES PIVOT KLIN PODALJŠANI	-	0,46 lb 0,21 kg	20
	15	62103	WEDGE ZAGOZDA	-	0,09 lb 0,04 kg	300
	16	62055	COMPENSATION PIECE 5 X 70 KOMPENZACIJSKI ELEMENT 5 X 70	1,96 x 27,5 inch 5 X 70 cm	3,08 lb 1,40 kg	8
	17	62200	WEDGE EXTRACTOR KLJUČ ZA ZAGOZDE	-	3,5 lb 1,59 kg	1
	18	63000	PLUG DIAMETER 20 ČEP 20	-	0,004 lb 0,002 kg	400
	19	62201	NUT PLATE DIW D15 B60 ECO MATICA DIW D15 B60	-	1,08 lb 0,49 kg	220
	20	62210	ECO MATICA DIW D15 H50 NUT PLATE DIW D15 H50	-	0,48 lb 0,22 kg	110
	21	62203	DIWIDAG SCREW D15 L=75cm DIWIDAG VIJAK D15 L=75cm	29,5 inch 75 cm	2,42 lb 1,10 kg	100
	22	62205	DIWIDAG SCREW D15 L=100cm DIWIDAG VIJAK D15 L=100cm	39,4 inch 100 cm	3,17 lb 1,44 kg	50
	23	62207	DIWIDAG SCREW D15 L=150cm DIWIDAG VIJAK D15 L=150cm	59 inch 150 cm	4,75 lb 2,16 kg	10
	24	71040	WASHER FOR ANGLE 70 OBJEMKA ZA KOTNI ELEMENT	-	0,24 lb 0,11 kg	48
	25	69000	COVER FOR ANGLE 70 POKROV ZA KOTNI ELEMENT	-	0,57 lb 0,26 kg	6
	26	ACP	PLASTIC BOX PLASTIČNI ZABOJ	-	3,96 lb 1,80 kg	5
	27	001183	RUBBER HAMMER GUMI KLADIVO	-	2,2 lb 1 kg	1
	28	004689	DISTANCER WITH ROSETTE 7,9 Inch DISTANČNIK Z ROZETO 200	0,8 inch 0,02 m	0,175 lb 0,08 kg	500
	29	004751	FORMWORK OIL OPAŽNO OLJE	-	38 lb 17,2 kg	1
	30	003262	PLUG FOR ROSETTE ČEP ZA ROZETO	-	0,003 lb 0,0016 kg	1000



EXAMPLE OF SPECIFICATION EPIC ECO FOR 1076 sqf - WALLS STRONG

PRIMER SPECIFIKACIJE OPAŽA EPIC ECO ZA 100M² - STENE STRONG

	Nm	Code	Element	Dimension	Weight	Nm. of pieces
	Št	Koda	Artikel	Dimenzija	Teža	Št.kosov
PIECES ECO / ELEMENTI ECO	1	62000	PIECE ECO STRONG 70 x 140 ELEMENT ECO STRONG 70 X 140	27,5 x 55 inch 70 X 140 cm	45,6 lb 20,7 kg	84
	2	62003	PIECE ECO 50 x 140 ELEMENT ECO 50 X 140	19,5 x 55 inch 50 X 140 cm	28 lb 12,6 kg	8
	3	62005	PIECE ECO 40 x 140 ELEMENT ECO 40 X 140	15,7 x 55 inch 40 X 140 cm	24 lb 10,82 kg	8
	4	62007	PIECE ECO 30 x 140 ELEMENT ECO 30 X 140	11,8 x 55 inch 30 X 140 cm	18,5 lb 8,42 kg	8
	5	62009	PIECE ECO 20 x 140 ELEMENT ECO 20 X 140	7,9 x 55 inch 20 X 140 cm	12,3 lb 5,57 kg	8
	6	62013	PIECE ECO 70 x 70 ELEMENT ECO 70 X 70	27,5 x 55 inch 70 X 140 cm	16,7 lb 7,60 kg	4
	7	62017	PIECE ECO 30 x 70 ELEMENT ECO 30 X 70	11,8 x 27,5 inch 30 X 70 cm	8,0 lb 3,70 kg	4
ACCESSORIES FOR ELEMENTS / VEZNI ELEMENTI	8	62020	ANGLE 70 KOTNI ELEMENT 70	27,5 inch 70 cm	5,7 lb 2,60 kg	24
	9	62021	ANGLE JOINT PODALJŠEK ZA KOTNI ELEMENT	-	0,6 lb 0,28 kg	18
	10	62033	SIMPLE ALIGNER 2800 IZRAVNALNI ELEMENT 2800	110 inch 280 cm	1,7 lb 0,77 kg	144
	11	62056	FAST TAKING DOWN ELEMENT ELEMENT ZA RAZOPAŽENJE	-	8,0 lb 3,70 kg	4
	12	62030	PIVOT KLIN	-	0,29 lb 0,13 kg	600
	13	62036	3 HOLES PIVOT KLIN PODALJŠANI 3	-	0,46 lb 0,21 kg	230
	14	62103	WEDGE ZAGOZDA	-	0,09 lb 0,04 kg	620
	15	62055	COMPENSATION PIECE 5 X 70 KOMPENZACIJSKI ELEMENT 5 X 70	1,96 x 27,5 inch 5 X 70 cm	3,08 lb 1,40 kg	8
	16	62200	WEDGE EXTRACTOR KLJUČ ZA ZAGOZDE	-	3,50 lb 1,59 kg	1
	17	63000	PLUG DIAMETER 20 ČEP 20	-	0,004 lb 0,002 kg	400
	18	62201	NUT PLATE DIW D15 B60 ECO MATICA DIW D15 B60	-	1,08 lb 0,49 kg	270
	19	62210	NUT PLATE DIW D15 H50 ECO MATICA DIW D15 H50	-	0,48 lb 0,22 kg	30
	20	62203	DIWIDAG SCREW D15 L=75cm DIWIDAG VIJAK D15 L=75cm	29,5 inch 75 cm	2,42 lb 1,10 kg	100
	21	62205	DIWIDAG SCREW D15 L=100cm DIWIDAG VIJAK D15 L=100cm	39,4 inch 100 cm	3,17 lb 1,44 kg	40
	22	62207	DIWIDAG SCREW D15 L=150cm DIWIDAG VIJAK D15 L=150cm	59 inch 150 cm	4,75 lb 2,16 kg	10
	23	71040	WASHER FOR ANGLE 70 OBJEMKA ZA KOTNI ELEMENT	-	0,24 lb 0,11 kg	96
	24	69000	COVER FOR ANGLE 70 POKROV ZA KOTNI ELEMENT	-	0,57 lb 0,26 kg	6
	25	ACP	PLASTIC BOX PLASTIČNI ZABOJ	-	3,96 lb 1,80 kg	10
	26	001183	RUBBER HAMMER GUMI KLADIVO	-	2,2 lb 1 kg	1
	27	004689	DISTANCER WITH ROSETTE 7,9 Inch DISTANČNIK Z ROZETO 200	0,8 inch 0,02 m	0,175 lb 0,08 kg	500
	28	004751	FORMWORK OIL OPAŽNO OLJE	-	38 lb 17,2 kg	1
	29	64510	WASHER D. 40/52-15 OBJEMKA D. 40/52-15	-	0,01 lb 0,005 kg	200
	30	003262	PLUG FOR ROSETTE ČEP ZA ROZETO	-	0,003 lb 0,0016 kg	1000



EXAMPLE OF SPECIFICATION EPIC ECO FOR 1076 sqf - WALLS

PRIMER SPECIFIKACIJE OPAŽA EPIC ECO ZA 100M² - STENE

	Nm	Code	Element	Dimension	Weight	Nm. of pieces
	Št	Koda	Artikel	Dimenzija	Teža	Št.kosov
PIECES ECO / ELEMENTI ECO	1	62001	PIECE ECO 70 x 140 ELEMENT ECO 70 X 140	27,5 x 55 inch 70 X 140 cm	43 lb 19,5 kg	84
	2	62003	PIECE ECO 50 x 140 ELEMENT ECO 50 X 140	19,5 x 55 inch 50 X 140 cm	28 lb 12,6 kg	8
	3	62005	PIECE ECO 40 x 140 ELEMENT ECO 40 X 140	15,7 x 55 inch 40 X 140 cm	24 lb 10,82 kg	8
	4	62007	PIECE ECO 30 x 140 ELEMENT ECO 30 X 140	11,8 x 55 inch 30 X 140 cm	18,5 lb 8,42 kg	8
	5	62009	PIECE ECO 20 x 140 ELEMENT ECO 20 X 140	7,9 x 55 inch 20 X 140 cm	12,3 lb 5,57 kg	8
	6	62013	PIECE ECO 70 x 70 ELEMENT ECO 70 X 70	27,5 x 55 inch 70 X 140 cm	16,7 lb 7,60 kg	4
	7	62017	PIECE ECO 30 x 70 ELEMENT ECO 30 X 70	11,8 x 27,5 inch 30 X 70 cm	8,0 lb 3,70 kg	4
ACCESSORIES FOR ELEMENTS / VEZNI ELEMENTI	8	62020	ANGLE 70 KOTNI ELEMENT 70	27,5 inch 70 cm	5,7 lb 2,60 kg	24
	9	62021	ANGLE JOINT PODALJŠEK ZA KOTNI ELEMENT	-	0,6 lb 0,28 kg	18
	10	62033	4 FLANGES CROSSPIECE KRIŽNI PRIMEŽ 4	-	1,7 lb 0,77 kg	221
	11	62034	3 FLANGES CROSSPIECE KRIŽNI PRIMEŽ 3	-	1,25 lb 0,57 kg	39
	12	62056	FAST TAKING DOWN ELEMENT ELEMENT ZA RAZOPAŽENJE	-	8,0 lb 3,70 kg	4
	13	62030	PIVOT KLIN	-	0,29 lb 0,13 kg	600
	14	62031	2 HOLES PIVOT KLIN PODALJŠANI	-	0,46 lb 0,21 kg	20
	15	62103	WEDGE ZAGOZDA	-	0,09 lb 0,04 kg	620
	16	62055	COMPENSATION PIECE 5 X 70 KOMPENZACIJSKI ELEMENT 5 X 70	1,96 x 27,5 inch 5 X 70 cm	3,08 lb 1,40 kg	8
	17	62200	WEDGE EXTRACTOR KLJUČ ZA ZAGOZDE	-	3,50 lb 1,59 kg	1
	18	63000	PLUG DIAMETER 20 ČEP 20	-	0,004 lb 0,002 kg	400
	19	62201	NUT PLATE DIW D15 B60 ECO MATICA DIW D15 B60	-	1,08 lb 0,49 kg	270
	20	62210	NUT PLATE DIW D15 H50 ECO MATICA DIW D15 H50	-	0,48 lb 0,22 kg	30
	21	62203	DIWIDAG SCREW D15 L=75cm DIWIDAG VIJAK D15 L=75cm	29,5 inch 75 cm	2,42 lb 1,10 kg	100
	22	62205	DIWIDAG SCREW D15 L=100cm DIWIDAG VIJAK D15 L=100cm	39,4 inch 100 cm	3,17 lb 1,44 kg	40
	23	62207	DIWIDAG SCREW D15 L=150cm DIWIDAG VIJAK D15 L=150cm	59 inch 150 cm	4,75 lb 2,16 kg	10
	24	71040	WASHER FOR ANGLE 70 OBJEMKA ZA KOTNI ELEMENT	-	0,24 lb 0,11 kg	96
	25	69000	COVER FOR ANGLE 70 POKROV ZA KOTNI ELEMENT	-	0,57 lb 0,26 kg	6
	26	ACP	PLASTIC BOX PLASTIČNI ZABOJ	-	3,96 lb 1,80 kg	10
	27	001183	RUBBER HAMMER GUMI KLADIVO	-	2,2 lb 1 kg	1
	28	004689	DISTANCER WITH ROSETTE 7,9 Inch DISTANČNIK Z ROZETO 200	0,8 inch 0,02 m	0,175 lb 0,08 kg	500
	29	004751	FORMWORK OIL OPAŽNO OLJE	-	38 lb 17,2 kg	1
	30	003262	PLUG FOR ROSETTE ČEP ZA ROZETO	-	0,003 lb 0,0016 kg	1000



EXAMPLE OF SPECIFICATION EPIC ECO FOR 1076 sqf - CEILING
PRIMER SPECIFIKACIJE OPAŽA EPIC ECO ZA 100M² - STROP

EPIC - ECO SKY SPEED					
Št Nm	Koda Code	Artikel Element	Dimenzija Dimension	Teža Weight	Št.kosov Nm.of pieces
1	62001	ELEMENT ECO 70 X 140 PIECE ECO 70 x 140	70 X 140 cm 27,5 x 55 inch	19,50kg 43 lb	84
2	62003	ELEMENT ECO 50 X 140 PIECE ECO 50 x 140	50 X 140 cm 19,5 x 55 inch	12,6 kg 28 lb	8
3	62005	ELEMENT ECO 40 X 140 PIECE ECO 40 x 140	40 X 140 cm 15,7 x 55 inch	10,82 kg 24 lb	8
4	62007	ELEMENT ECO 30 X 140 PIECE ECO 30 x 140	30 X 140 cm 11,8 x 55 inch	8,42 kg 18,5 lb	8
5	62009	ELEMENT ECO 20 X 140 PIECE ECO 20 x 140	20 X 140 cm 7,9 x 55 inch	5,57 kg 12,3 lb	8
6	62013	ELEMENT ECO 70 X 70 PIECE ECO 70 x 70	70 X 140 cm 27,5 x 55 inch	7,60 kg 16,7 lb	4
7	62017	ELEMENT ECO 30 X 70 PIECE ECO 30 x 70	30 X 70 cm 11,8 x 27,5 inch	3,70 kg 8,0 lb	4
8	62056	ELEMENT ZA RAZOPAŽENJE FAST TAKING DOWN ELEMENT	-	3,70 kg 8,0 lb	10
9	62030	KLIN PIVOT	-	0,13 kg 0,29 lb	360
10	62031	KLIN PODALJŠANI 2 HOLES PIVOT	-	0,21 kg 0,46 lb	20
11	62103	ZAGOZDA WEDGE	-	0,04 kg 0,09 lb	380
12	62055	KOMPENZACIJSKI ELEMENT 5 X 70 COMPENSATION PIECE 5 X 70	5 X 70 cm 1,96 x 27,5 inch	1,40 kg 3,08 lb	5
13	62200	KLJUČ ZA ZAGOZDE WEDGE EXTRACTOR	-	1,59 kg 3,50 lb	1
14	63000	ČEP 20 PLUG DIAMETER 20	-	0,002 kg 0,004 lb	750
15	ACP	PLASTIČNI ZABOJ PLASTIC BOX	-	1,80 kg 3,96 lb	6
16	62061	EPIC ECO SKY SPEED	155 cm 61,3 in	6,50 kg 14,3 lb	120
17	62062	ECO ČEP SPEED *SPEED STOPPER*	-	0,001 kg 0,002 lb	500
18	004784	PODPORNIK *PROP*	210 - 350 cm 6,9 - 11,5 ft	15 kg 33 lb	140
19	000481	TRONOŽEC *TRIPOD*	-	13,3 kg 29,3 lb	5
	001183	RUBBER HAMMER *GUMI KLADIVO*	-	2,2 lb 1 kg	1
	004751	FORMWORK OIL *OPAŽNO OLJE*	-	38 lb 17,2 kg	1
	62064	SQUARE FOR SIDE PANEL - WITH WEDGE K *SPONA NOSILCA KOMPLET*	-	5,35 lb 2,43 kg	10

PROGRAMME OF SAFETY AT WORK MEASURES FOR PANELLING EPIC ECO

To ensure the safety of workers working with the EPIC ECO composite panels, it is necessary to consider technological and safety at work measures.
The programme of safety at work measures is a constituent part of the technological project, which is made by the technical sector for each individual project.

GENERAL

Workers' health and technical abilities
Workers working with EPIC ECO panelling must meet the following conditions:
- Physical and mental capacity for such work (health certificate from the appropriate health authorities),
- At least one year of experience in building construction,
- Appropriate training on the work procedure and this programme,
- Appropriate training on the system of safe load hooking and signalling for communication in the transport of panels and concrete.

Tasks of persons in charge:
The handling of EPIC ECO panelling is managed and supervised by appropriately trained workers based on the know-how from the technological project and the programme of measures for safety at work.

Construction site manager:
-Checks whether all measures planned in the construction site project have been carried out,
- Ensures that work is carried out in accordance with the technological project and this programme,
- Determines the schedule of panelling,
- Oversees the use of equipment in accordance with regulations on safety at work.

Foreman:
- Informs the workers before the start of work about the procedure and their tasks, with emphasis on dangers at work and the safest way to do the job,
- Guarantees that panelling is done only by appropriately trained workers,
- Guarantees that workers use all the prescribed equipment for safety at work,
- Oversees the panelling, which must be carried out in accordance with the instructions for use.

Safety at work equipment:
Workers must use the following equipment for personal protection:
- shoes (impenetrable, with steel or PVC cap and rubber sole),
- work clothing,
- helmet,
- gloves

Weather conditions
Work must be halted when the weather conditions compromise safety. Dangers include strong wind, frost, very low temperatures and rain.
In windy conditions the crane operator must halt work when wind speeds reach 80 km/h, when the turning of the crane is hindered and the turning brake starts to have trouble coping with the wind.

TRANSPORT

Lorry transport
Panels are transported in disassembled form. During transport the panels may not exert pressure on the sides of the lorry. They must be tied to the lorry to prevent movement.

Crane
The crane must have appropriate load and reach capacity.
The height and reach of the crane must be entered in the construction site scheme.
The crane must be inspected prior to the start of works.
The construction site management must determine the appropriate number of signallers (who hook the loads) for communication with the crane manager.
The hooking equipment must be flawless and manufactured in accordance with regulations.
The hooks must be equipped with safety latches and the hoist cable must have a 6x safety quotient.



DESCRIPTION OF EPIC ECO PANELS

General
The EPIC ECO composite formwork panels are used for the concrete foundations of walls, pillars, shafts and ceilings. They consist of a relatively small number of elements, which makes them useful for a large variety of ground plans and heights. EPIC ECO elements are inter-compatible and can be used for vertical as well as horizontal constructions.
The elements are connected with pivots on the horizontal plain and with Diwidiak nuts and bolts on the opposite side. The basic elements are 140 cm high. For higher walls horizontal and vertical elements of different widths are added.

Technical properties:
The elements are made of a composite of PP, FG and PVC. In the hoisting of panels assembled from several elements, the vertical connections must be reinforced with horizontal joints.

Use of panels:
The use of the panels requires from workers that they consider the safety at work requirements and carry out regular maintenance.
Before the pouring of concrete it is necessary to grease the front and back sides of the panels with high-quality formwork oil.
The surface on which the panels are placed must be completely flat.
Once the height of the wall exceeds 300 cm / 9,8 ft it is necessary to observe instructions and calculations for the pouring times.
In any case the maximum thickness of the concrete layer may not exceed 100 cm / 3,28 ft. The entire formwork is filled with concrete to this height

whereupon the next 100 cm / 3,28 ft layer may be added.

Parameters which affect concrete pressure in the formwork:

- presence or absence of vibration
- speed with which concrete level rises at pouring

The rise of the concrete level depends on the depth at which the pressure of concrete on the element is the highest. The temperature of concrete is important, so values are given depending on the temperature.

Example: At a depth of 2.85 m / 9,35 ft pressure is 4,900 kg/m² - 980 psf during normal pouring and 6,750 kg/m² - 1350 psf during vibrating pouring. EPIC ECO elements are designed for pouring with the maximum pressure of 6,000 kg/m² - 1200 psf.

EPIC ECO COLUMNS

The design of formwork is quick and easy with the universal elements, which can easily be adjusted to different dimensions. The maximum dimension of the pillar is 55x55 cm / 1,8 x 1,8 ft.

The height of the pillar formwork is increased with 140 cm / 4,6 ft or 70 cm / 2,3 ft elements. Pillars require slanting props or two-legged props in two perpendicular directions.

ONE- OR TWO-LEGGED PROPS

Props are used for all types of panelling for the formation, support and regulation of wall panels. They are placed 280 cm / 9,18 ft apart so that there is one prop per each assembled element. The props are mounted on the side of the panel where the scaffolding is. This side is put up first. With the help of two-legged props the panelling is adjusted vertically. Two-legged props must be equipped with washers and special bolts and bolted into concrete. If this is impossible, they are bolted to concrete blocks of appropriate weight.

Before the use of EPIC ECO panelling elements:

- Check that all pivots and wedges are in inserted in the four corresponding holes on the panelling element except for the two external holes which connect the panelling with vertical and horizontal elements.
- Check whether the pivots for the holes are in place and fixed.
- Check whether the angle and panel elements are fixed in place.
- CAUTION! For heights exceeding 280 cm / 9,18 ft the crosspieces may not be more than 75 cm / 30 in apart.
- Before inserting the Diwidag bolt it is necessary to check that the bolt and nut are flawless.
- The bolt is secured in place with a washer and nut on each side.
- Always check that the washers and nuts are tightly screwed in.
- The Diwidag bolt must stick out of the bolt at least 5 cm / 2 in on each side.
- If using the aligner wedges and clamps, make sure they are flush and tightly secured to the element.
- To lift panelling elements use one aligner per three elements. Before each lifting check the condition of the aligner.

Maintenance

After each pouring the panel elements and additional equipment must be cleaned of concrete. Use appropriate formwork oil.

PROTECTING WORKERS FROM FALLS

The panels have integrated consoles for scaffolding, mobile load-bearing scaffolding and tubular scaffolding.

The scaffolding must be manufactured in accordance with the regulations on construction safety.

The floor of the scaffold must be 80 cm /31,5 in wide, made of undamaged 5 cm / 2 in thick planks, with a fence of am minimum height of 100 cm /3,28 ft with two parallel bars which may be no more than 45 cm / 17,7 in apart if the fence is made of metal.

The floor must have an edge plank at least 20 cm / 7,8 in high.

Workers may work with panelling and concrete only from scaffolds.

DISPOSAL OF EPIC ECO PANELS

After disassembly the panels are transported to a storage site where they are cleaned and greased with formwork oil. The condition of the additional equipment is checked. In places with a high probability of gusts of wind or when wind jeopardises the stability of the panels, the panels must be protected from falling over. The panels are typically stores horizontally on top of one another with wooden beams in between.

PROGRAM UKREPOV IZ VARSTVA PRI DELU Z OPAŽI EPIC ECO



Da bi zagotovili varno delo delavcev, zaposlenih pri delu z kompozitnimi opaži EPIC ECO, je potrebno upoštevati ukrepe s področja tehnologije in varnega dela.

Program ukrepov za varno delo je sestavni del tehnološkega projekta, ki ga izdela tehnični sektor za konkreten objekt.

SPLOŠNO

Strokovna in zdravstvena sposobnost delavcev.

Delavci, ki delajo z opaži EPIC ECO, morajo izpolnjevati naslednje pogoje:

- da so fizično in duševno sposobni za tako delo (ustrezno zdravniško spričevalo dispanzerja za medicino dela),
- da imajo najmanj eno leto delovnih izkušenj pri delu v gradbeništvu-visoke gradnje,
- da so seznanjeni oz. poučeni z delovnim postopkom in tem programom,
- da so poučeni s sistemom varnega privezovanja bremen in signalizacije za sporazumevanje pri transportu opažev in betona.

Naloge odgovornih oseb:

Delo z opaži EPIC ECO vodijo in nadzirajo strokovno usposobljeni delavci na podlagi znanja iz tehnološkega projekta in programa ukrepov za varno delo.

Odgovorni vodja del:

- preveri, ali so pred pričetkom del izvedeni vsi ukrepi predvideni v projektu ureditve gradbišča,
- zagotovi izvajanje del v skladu s tehnološkim projektom in tem programom,
- določa čas razopažanja,
- skrbi, da se uporabljajo sredstva za delo v skladu s predpisi varstva pri delu.

Delovodja:

- pred pričetkom del seznani delavce s postopkom dela oz. njihovimi

nalogami,s poudarkom na nevarnosti pri delu in z varnim načinom dela,
- skrbi, da dela z opaži opravljajo le delavci, ki s strokovnostjo ustrezajo zahtevam dela,
- skrbi, da delavci pri delu uporabljajo predpisana sredstva za osebno varstvo pri delu,
- nadzoruje delo z opaži, ki mora potekati v skladu z navodili.

Sredstva za osebno varstvo pri delu:
Pri delu morajo delavci obvezno uporabljati naslednja sredstva za osebno varstvo:
- čevlji (protivbodni, z jekleno ali PVC kapico, z gumi podplatom),
- delovna obleka,
- čelada,
- rokavice.

Vremenski pogoji
Kadar vremenski pogoji ne dopuščajo varnega dela, je treba delo prekiniti.
Med take nevarnosti štejemo močan veter, poledico, zelo nizke temperature in dež.
Pri delu v vetrovnem vremenu mora žerjavar upoštevati max. hitrost ,ki ne sme presegati 80 km/h, ko je vrtenje žerjava otežkočeno in zavora vrtenja le stežka premaguje veter.

TRANSPORT

Transport s tovornjaki
Opaže se prevaža v razstavljenem stanju. Pri transportu morajo biti opaži zloženi tako, da ne pritiskajo na stranice, poleg tega pa privezani na tovornjak, da se prepreči premikanje.

Žerjav
Žerjav mora po nosilnosti in dosegu ustrezati predvidenim zahtevam.
V shemi ureditve gradbišča mora biti vrisan gabarit žerjava. Žerjav mora biti pred pričetkom dela pregledan. Vodstvo gradbišča mora določiti za sporazumevanje z žerjavarjem ustrezno število signalistov – privezovalcev bremen. Navezovalna sredstva morajo biti brezhibna in izdelana v skladu s predpisi. Kavlji morajo biti opremljeni z varovalkami proti odpenjanju, vrvi pa morajo imeti najmanj 6x varnostni količnik.

OPIS OPAŽEV EPIC ECO

Splošno
Kompozitni opaži EPIC ECO se uporabljajo za izdelavo betonskih temeljev sten, stebrov,jaškov ter stropov. Sestavljeni so iz sorazmerno majhnega števila elementov,ki omogočajo uporabo pri najrazličnejših tlorisnih višinah. Elementi EPIC ECO so med seboj kompatibilni in se uporabljajo za vertikalne in horizontalne primere.
Med seboj so povezani v ravnini s klini, na nasprotni strani pa z Diwidak vijaki in maticami. Osnovni elementi so visoki 140 cm. Pri izdelavi opažev za višje stene dodajamo različno široke, horizontalne in vertikalne elemente.

Tehnične značilnosti:
Element je sestavljen iz kompozitnega materiala PP in FG ter PVC. Pri prenašanju opaža, sestavljenega iz več elementov, z žerjavom, je potrebno vertikalni spoj ojačati s horizontalnimi spojnimi profili.

Uporaba opažev
Delo z opaži zahteva od delavcev upoštevanje zahtev varnega dela ter potrebno skrb za brezhibno vzdrževanje.
Pred pričetkom betoniranja uporabljati kvalitetno opažno olje, s katerim se namaže opaž s sprednje in zadnje strani.
Površina, na katero pričnemo polagati opaže, mora biti popolnoma ravna.
Pomembna je hitrost betoniranja, ki mora upoštevati navodila oz. izračune, ko višina zidu preseže 300 cm.
V vsakem primeru pa je potrebno upoštevati priporočilo, da je max. višina plasti betona,ki ga vgrajujemo 100 cm tako, da z betonom napolnimo do te višine celoten opaž in nato nadaljujemo z naslednjo plastjo betona višine 100 cm.



Parametri, ki vpilvajo na pritisk betona znotraj elementov, so naslednji:
- prisotnost ali odsotnost vibriranja
- hitrost dviga ravni betona pri betoniranju.

V tem delu pride hitrost dviga betoniranja v elementu soodvisna z globino, v kateri imamo največji pritisk betona na element. V tem razmerju ima pomembno vlogo tudi temperatura betona, zato so podane vrednosti odvisnosti od temperature.
Primer: V globini 2,85 mt imamo pritisk enak 4900 kg/m2 z normalnim betoniranjem in enak 6750 kg/m2 z vibriranim betoniranjem. Obnašanje EPIC ECO elementa so izračunani za sunek betonirranja z maksimalnim pritiskom 6000 kg/m^2.

STEBRI EPIC ECO

Opaž stebrov z univerzalnimi elementi je enostaven in hiter za sestavljanje ter prilagajanje različnim dimenzijam. Maksimalna dimenzija stebra je 55 x 55 cm.
Po višini se opaž stebra poviša z elementi 140, 70 cm. Pri izdelavi stebra je potrebno uporabljati poševne opore oz. dvokrake podpornike, in sicer v dveh pravokotnih smereh.

ENO ALI DVOKRAKI PODPORNIKI

Obvezno se uporabljajo pri vsaki postavitvi opažev, služijo za postavljanje, opiranje in regulacijo stenskega opaža. Podporniki se nameščajo na razmaku 280 cm tako, da dobi vsak sestavljen element po en podpornik. Podpornik se pritrdi na isti strani opaža, na kateri so tudi odri. To stran se postavi prvo, s pomočjo dvokrakega podpornika se opaž naravna na točno mesto in vertikalo.
Dvokraki podporniki morajo biti opremljeni z vložki oz. posebnimi vijaki in pritrjeni v betonsko ploščo. Če to ni možno, se jih pritrdi na prenosne montažne bloke ustrezne teže.
Pred uporabo EPIC ECO opažnih elementov:
- preveriti, ali so vsi klini in zagozde vstavljeni v štiri odgovarjajoče luknje na opažnem elementu, z izjemo dveh zunanjih lukenj, ki služijo za sestavo opaža z vertikalnimi in horizontalnimi elementi, -preveriti, ali so klini, ki fiksirajo zgoraj navedene luknje, vsi uporabljeni in ali so dobro fiksirani.
- kontrolirati ali so kotni in opažni elementi dobro pričvrščeni,
- POZOR! Za višino betoniranja nad 280 cm primeži zunanjih vogalov ne smejo biti nameščeni na razdalji, večji od 75 cm,
- Preden vstavite diwidag vijak je potrebno preveriti brezhibnost vijaka in matice,

- Vijak blokiramo tako, da privijemo z obeh strani podložno ploščico in vijak.
Vsakič preveriti, ali so ploščice in vijaki dobro zategnjeni,
- Pri uporabi diwidag vijaka mora vijak na vsaki strani segati najmanj 5 cm iz matice,
- Pri uporabi izravnav za dvig skrbno preveriti brezhibno pritrjenost na element in zagotoviti, da se celotna površina dotika elementa,
- Za dviganje opažnih elementov uporabimo eno izravnavo na vsake tri elemente. Pred vsakim dviganjem preverite stanje izravnave za dvig.

Vzdrževanje

Po vsakem betoniranju je potrebno opaž oz. elemente in ustrezno dodatno
opremo očistiti od ostankov betona.Pri tem uporabiti ustrezno opažno olje.

ZAVAROVANJE DELAVCEV PRED PADCEM Z VIŠINE

Sestavni del opažev so konzole za delovni oder, premični nosilni oder in cevni delovni oder.
Odri morajo biti izdelani v skladu s pravilnikom o varstvu pri gradbenem delu.
Pod odra mora biti širok 80 cm, iz nepoškodovanih plohov debeline 5 cm, varnostna ograja visoka min. 100 cm z dvema prečkama, med katerima je največ 45 cm prostora, če je ograja iz kovinskih cevi.
Na podu mora biti postavljena robna zaščitna deska, visoka najmanj 20 cm.
Delavci smejo dela z opaži in betoniranje opravljati le z delovnih odrov.

OPAŽI EPIC ECO NA DEPONIJI

Po uporabi opaža oz. razopažanju le-tega transportiramo na deponijo, kjer se ga očisti in premaže z opažnim oljem. Istočasno se opravi pregled stanja dodatne opreme opaža. V krajih, kjer so možni sunki vetra ali kadar hitrost vetra ogroža stabilnost opažev, je potrebno le-te zavarovati pred prevrnitvijo.
Običajno se opaže zlaga ploskoma enega na drugega, s podkladanjem lesenih gredic.

EPIC PROPS/*EPIC PODPORE* DIN EN 1065 CLASS A

Prop following the norm UNI EN 1065, designed for small-size building sites.







Steel grade S235JR, following UNI EN 10219-1/2;
Inner tube Ø 48,3 mm, outer tube Ø 57 mm.

Dip painting, with minimum durability following the ASTM D 2247-87 tested in moist-room;
Colour: Gentian Blue;
Hot dip galvanization: thickness guaranteed min. 50 µm, following UNI EN 40.

Adjustment: steel or cast iron sleeve;
Capacity loads certified;
Anti hand trap;
Permanent prevention against unintentional disengagement;
Unlousable pin rounded ending;
Max extension: 2500 mm - 4000 mm.

DIN EN 1065;
UNI EN 729-2:1996;
MPA BAU (Technische Universität München - Bauwesen Abteilung Stahlbau).

EPIC PROPS/*EPIC PODPORE* DIN EN 1065 B

High capacity load, available in many models and two different regulation systems.







Steel grade S235JR, following UNI EN 10219-1/2;
Inner tube Ø 48,3 mm, outer tube Ø 57 mm.

Dip painting, with minimum durability following the ASTM D 2247-87 tested in moist-room;
Colour: Gentian Blue;
Hot dip galvanization: thickness guaranteed min. 50 µm, following UNI EN 40

Adjustment: steel or cast iron sleeve or self cleaned external thread;
Capacity loads certified;
Anti hand trap;
Permanent prevention against unintentional disengagement;
Unlousable pin rounded ending;
Max extension: 2500 mm - 4500 mm.

DIN EN 1065;
UNI EN 729-2:1996;
MPA BAU (Technische Universität München - Bauwesen Abteilung Stahlbau).

EPIC PROPS/*EPIC PODPORE* DIN EN 1065 CLASS C-D-E

Very high capacity at considerable height, available in different models.







Steel grade S235JR and S275JRH, following UNI EN 10219-1/2;
Inner tube Ø 48,3 mm and Ø 63,5mm;
Outer tube Ø 57 mm and Ø 76 mm.

Dip painting, with minimum durability following the ASTM D 2247-87 tested in moist-room;
Colour: Gentian Blue;
Hot dip galvanization: thickness guaranteed min. 50 µm, following UNI EN 40.

Adjustment: self cleaned external thread;
Capacity loads certified;
Anti hand trap;
Permanent prevention against unintentional disengagement;
Unlousable pin rounded ending;
Max extension: 2500 mm - 5500 mm.

DIN EN 1065;
UNI EN 729-2:1996;
MPA BAU (Technische Universität München - Bauwesen Abteilung Stahlbau).

EPIC STANDARD PROPS/*EPIC STANDARDNE PODPORE*

Excellent quality/price ratio, large range of measures and models.





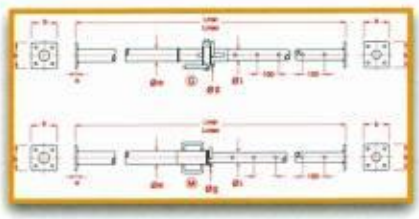


Steel grade S235JR, following UNI EN 10219-1/2;
Inner tube Ø 48,3 mm, outer tube Ø 56 mm.

Dip painting, with minimum durability following the ASTM D 2247-87 tested in moist-room;
Colour: Gentian Blue;
Hot dip galvanization: thickness guaranteed min. 50 µm, following UNI EN 40.

Adjustment: steel sleeve;
Anti hand trap;
Unlousable pin rounded ending;
Max extension: 1000 mm - 5000 mm.

D.P.R 164/56 art.7;
UNI EN 729-2:1996.







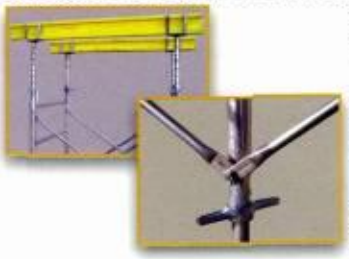
EPIC PROPS
EPIC PODPORE

TYPE/TIP	øi (mm)	øe (mm)	Regulation	b x b (mm)	a (mm)	øg (mm)	Lmin (mm)	Lmax (mm)
S10	48,3	56,0	M	120x120	4	13	600	1000
S18	48,3	56,0	M	120x120	4	13	1000	1800
S29	48,3	56,0	M	120x120	4	13	1600	2900
S32	48,3	56,0	M	120x120	4	13	1800	3200
S36	48,3	56,0	M	120x120	4	13	2000	3600
S41	48,3	56,0	M	120x120	4	13	2300	4100
S45	48,3	56,0	M	120x120	4	13	2500	4500
S50	48,3	56,0	M	120x120	4	13	2800	5000
A25	48,3	57,0	M	120x120	6	13	1500	2500
A30	48,3	57,0	M	120x120	6	13	1750	3000
A35	48,3	57,0	M	120x120	6	13	2000	3500
A40	48,3	57,0	M	120x120	6	13	2300	4000
B25	48,3	57,0	M	120x120	6	13	500	2500
B30	48,3	57,0	M	120x120	6	13	1750	3000
B35	48,3	57,0	M	120x120	6	13	2000	3500
B40	48,3	57,0	M	120x120	6	13	2300	4000
B45	48,3	57,0	M	120x120	6	13	2500	4500
B30	48,3	60,3	G	120x120	6	13	1750	3000
B35	48,3	60,3	G	120x120	6	13	2000	3500
B40	48,3	60,3	G	120x120	6	13	2300	4000
B45	48,3	60,3	G	120x120	6	13	2500	4500
C30	48,3	57,0	M	120x120	8	13	1750	3000
C30	48,3	60,3	G	120x120	8	13	1750	3000
C-D35	63,5	76,0	G	120x120	8	16	2000	3500
C-D40	63,5	76,0	G	120x120	8	16	2300	4000
C45	63,5	76,0	G	120x120	8	16	2500	4500
C50	63,5	76,0	G	120x120	8	16	2800	5000
C55	63,5	76,0	G	120x120	8	16	3000	5500
D25	48,3	60,3	G	120x120	6	13	1500	2500
D30	48,3	60,3	G	120x120	6	13	1750	3000
C-D35	63,5	76,0	G	120x120	8	16	2000	3500
C-D40	63,5	76,0	G	120x120	8	16	2300	4000
D45	63,5	76,0	G	120x120	8	16	2500	4500
D50	63,5	76,0	G	120x120	8	16	2800	5000
E30	63,5	76,0	G	120x120	8	16	1750	3000
E35	63,5	76,0	G	120x120	8	16	2000	3500

EPIC TOWERS
STOLPI EPIC

EPIC HIGH CAPACITY TOWER /*EPIC NOSILNI STOLPI*

Modular flexible and economical system, best choice to work with very high loads.



Steel grade S235JR, following UNI EN 10219-1/2;
Tube Ø 57 mm X 2,5 mm.

Hot dip galvanization: thickness guaranteed min. 50 µm, following UNI EN 40.



Quick locks fitting;
Maximum loads of 4000 daN/ m2 ;
Flexible and safe to erect;
Adjustable with millimetric precision;
Width : 1200 mm;
Frame height : 1500 mm.





C.N.R. - UNI - 10'011/88;
C.N.R. 10'012/85;
C.N.R. 10'022/84;
C.N.R. 10'027/85;
EN 39 ;
Legge n° 1086 del 05/11/1971;
UNI EN 729-2:1996.



EPIC SCAFFOLD/*EPIC HITRO MONTAŽNI ODER* 105 PP

Safe and economical system, with an excellent quality/price ratio.



Steel grade S235JR, following UNI EN 10219-1/2;
Tube Ø 48,3 mm X 2,9 mm.
Tube Ø 26,9 mm X 2,3 mm.

Dip painting, with minimum durability following the ASTM D 2247-87 tested in moist-room;
Colour: Gentian Blue;
Hot dip galvanization: thickness guaranteed min. 50 µm, following UNI EN 40.

Quick locks fitting;
Licensed for uniform building loads of 300 daN/ m2 (cl IV, HD 1000);
Flexible and safe to erect;
Connectable with the tube-coupler system;
Large range of accessories;
Width : 1050 mm;
Span : 1800 mm;
Frame height : 2000 mm.

Autorizzazione ministeriale: n° 21955/OM-4 del 07/05/1992;
Successive estensioni:
n° 21444/OM-4 del 11/06/1998;
n° 21353/OM-4 del 20/07/1999;
n° 21338/OM-4 del 25/10/2001;
D.P.R. 27/04/1955 n° 547;
D.P.R. 07/01/1956 n° 164;
D.M. 22/05/1992 n° 466;
Circolari 44/90 e 156 AA.GG./STC;
UNI EN 729-2:1996.

EPIC d.o.o. Postojna, Slovenija
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POVPRAŠEVANJE / PONUDBA / POGODBA
INQUIRY / OFFER / ORDER

ZA / FOR: .....

MAIL: .....

CODE KODA	GOODS / IME IZDELKA		WEIGHT / lb TEŽA / kg	PRICE / CENA	QUANTITY / KOLIČINA	QUANTITY / KOLIČINA	TOTALE / SKUPAJ - kg	MQ. / m²
62000	PIECE ECO STRONG 70 x 140 *ELEMENT ECO STRONG 70 x 140*		45,6 20,7					
62001	ELEMENT ECO 70 x 140 *PIECE ECO 70 x 140*		19,50 43					
62003	ELEMENT ECO 50 x 140 *PIECE ECO 50 x 140*		12.64 28					
62005	ELEMENT ECO 40 x 140 *PIECE ECO 40 x 140*		10.82 24					
62007	ELEMENT ECO 30 x 140 *PIECE ECO 30 x 140*		8.42 18,5					
62009	ELEMENT ECO 20 x 140 *PIECE ECO 20 x 140*		5.57 12,3					
62013	ELEMENT ECO 70 x 70 *PIECE ECO 70 x 70*		7.60 16,7					
62017	ELEMENT ECO 30 x 70 *PIECE ECO 30 x 70*		3.70 8					
62020	KOTNI ELEMENT 70 *ANGLE 70*		2.60 5,7					
62021	PODALJŠEK ZA KOTNI ELEMENT *ANGLE JOINT*		0.230 0,6					
69000	POKROV ZA KOTNI ELEMENT *COVER FOR ANGLE 70*		0.26 0,57					
62030	KLIN *PIVOT*		0.130 0,28					
62031	KLIN PODALJŠANI *2 HOLES PIVOT*		0.212 0,46					
62032	ZAGOZDA *WEDGE*		0.039 0,08					
62033	KRIŽNI PRIMEŽ 4 *4 FLANGES CROSSPIECE*		0.77 1,7					
62034	KRIŽNI PRIMEŽ 3 *3 FLANGES CROSSPIECE*		0.57 1,25					
62050	KOMPENZACIJSKI ELEMENT *34 X 70* *COMPENSATION PIECE 34 X 70*		1.990 4,4					

62055	KOMPEZACIJSKI ELEMENT 5 X 70 *COMPENSATION PIECE 5 x 70*		1.40 3					
62056	ELEMENT ZA RAZOPAŽANJE *FAST TAKING DOWN ELEMENT*		1.06 2,3					
62057	OBJEMKA *WASHER*		0.004 0,0008					
ACP	PLASTIČNI ZABOJ *PLASTIC BOX*		1,80 4,14					
62100	SPODNJI DISTANČNIK *BASIC ANCHORAGE*		0.11 0,24					
62101	ZGORNJI DISTANČNI ELEMENT *SLIDING BIVALENT ANCHORAGE*		0.17 0,37					
62102	ZATIČ *PIN*		0.02 0,04					
62103	PERFORIRANI DISTANČNIK *785PERFORATED SPACER 785*		0.28 0,6					
62200	KLJUČ ZA ZAGOZDE *WEDGE EXTRACTOR*		1.59 3,5					
63000	ČEP 20 *PLUG DIAMETER 20*		0.002					
71040	OBJEMKA ZA KOTNI ELEMENT *WASHER FOR ANGLE 70*		0.112 0,24					
62201	ECO MATICA DIW D15 B60 *NUT PLATE DIW D15 B60*		0.49 1,08					
62203	DIWDAG VIJAK D15 L=750 *DIWIDAG SCREW D15 L=750*		1.10 2,4					
62205	DIWDAG VIJAK D15 L=1000 *DIWIDAG SCREW D15 L=1000*		1.44 3,17					
62207	DIWDAG VIJAK D15 L=1500 *DIWIDAG SCREW D15 L=1500*		2.16 4,76					
62210	ECO MATICA DIW D15 H50 *NUT PLATE DIW D15 H50*		0.22 0,48					
64500	IZRAVNALNA KONZOLA *ALIGNER CLAMP*		0,80 1,76					
64501	ZAGOZDA ZA IZRAVNALNO KONZOLO *WEDGE FOR ALIGNER CLAMP*		0,19 0,41					
64600	ALIGNER CLAMP 2800 *IZRAVNALNI ELEMENT 280*		16.20 7.350					
64601	ALIGNER CLAMP 700 *IZRVNALNI ELEMENT 70*		4.12 1.868					
64602	ALIGNER CLAMP 500 *IZRVNALNI ELEMENT 50*		2.94 1.335					
64603	ALIGNER CLAMP 400 *IZRVNALNI ELEMENT 40*		2.29 1.038					
64604	ALIGNER CLAMP 300 *IZRVNALNI ELEMENT 30*		1.72 0.780					

64605	ALIGNER CLAMP 200 *IZRVNALNI ELEMENT 20*		1.19 0.540					
64620	JOIN FORALINER CLAMP-SHORT *POVEZOVALNI ELEMENT-KRATKI*		2.37 1.075					
64621	JOIN FORALINER CLAMP-LONG *POVEZOVALNI ELEMENT-DOLGI*		3.83 1.735					
64611	SIMPLE ALIGNER 2200 *IZRAVNALNI ELEMENT 2200*		4.99 2.265					
64610	SIMPLE ALIGNER 2800 *IZRVNALNI ELEMENT 2800*		6.81 3.087a					
64622	WEDGE K *ZAGOZDA K*		0.34 0.155					
64001	ANGLE INTERNAL 280 *NOTRANJI KOTNI ELEMENT 280*		34.64 15.72					
64000	ANGLE EXTERNAL 280 *ZUNANJI KOTNI ELEMENT 280*		12.90 5.84					
64631	INTERNAL ANGLE REINFORCEMENT PIECE *NOTRANJI OJAČEVALEC KOTA*		0.73 0.333					
64630	ALIGNER EXTENSION *PODALJŠEK IZRAVNALNEGA ELEMENTA*		2.20 1.000					
62036	3 HOLES PIVOT *KLIN PODALJŠANI 3*		0.47 0.212					
64510	WASHER D. 40/52-15 *OBJEMKA D. 40/52-15*		0.01 0.005					
	WASHER FOR DISSAMBLING (COLUMN, SHAFT) *OBJEMKA ZA DEMONTAŽO (JAŠEK, STEBER)*		0,02 0,007					
64010	BRACEKT FOR PILE WITH BRACKET PIN *VEZNIK ZA STEBER Z ZATIČEM*		2.43 1.10					
64011	BRACKET PIN *ZATIČ VEZNIKA ZA STEBER*		0.03 0.014					
64623	SPRING CLAMP *ZAPONKA*		0.02 0.007					

ODPREMA / DELIVERY:.....

PLAČILO / PAYMENT:.....

KVALITETA / PARITY:.....

POTRDITEV / CONFIRMATION:.....



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INQUIRY / OFFER / ORDER

ZA / FOR: .....
fax, e-mail: .....

KODA CODE	IME IZDELKA / GOODS		TEŽA / kg WEIGHT / lb	CENA / PRICE	KOLIČINA / QUANTITY	KOLIČINA / QUANTITY	SKUPAJ / TOTALE- kg	m² / MQ.
62000	ELEMENT ECO STRONG 70 x 140 *PIECE ECO STRONG 70 x 140*		45,6 20,7					
62001	ELEMENT ECO 70 x 140 *PIECE ECO 70 x 140*		19,50 43					
62003	ELEMENT ECO 50 x 140 *PIECE ECO 50 x 140*		12.64 28					
62005	ELEMENT ECO 40 x 140 *PIECE ECO 40 x 140*		10.82 24					
62007	ELEMENT ECO 30 x 140 *PIECE ECO 30 x 140*		8.42 18,5					
62009	ELEMENT ECO 20 x 140 *PIECE ECO 20 x 140*		5.57 12,3					
62013	ELEMENT ECO 70 x 70 *PIECE ECO 70 x 70*		7.60 16,7					
62017	ELEMENT ECO 30 x 70 *PIECE ECO 30 x 70*		3.70 8					
62061	EPIC ECO SPEED Z LIBELO *EPIC ECO SPEED WITH LEVEL*		6,5 14,3					
62062	EPIC ECO SPEED *EPIC ECO SPEED*		6,5 14,3					
62066	EPIC ECO SPEED STRONG *EPIC ECO SPEED STRONG*		9.5 20.9					
000481	TRONOŽEC EPIC *TRIPOD EPIC*		13,3 29,2					
004784	PODPORNIK EPIC *PROP EPIC*		15 33					
62062	ECO ČEP SPEED *SPEED STOPER*		0,0008 0,0024					
62030	KLIN *PIVOT*		0.130 0,28					
62031	KLIN PODALJŠANI *2 HOLES PIVOT*		0.212 0,46					
62036	3 HOLES PIVOT *KLIN PODALJŠANI 3*		0.47 0.212					

62032	ZAGOZDA *WEDGE*		0.039 0,08					
62056	ELEMENT ZA RAZOPAŽANJE *FAST TAKING DOWN ELEMENT*		1.06 2,3					
62057	OBJEMKA *WASHER*		0.004 0,0008					
62200	KLJUČ ZA ZAGOZDE *WEDGE EXTRACTOR*		1,59 3,5					
62060	GLAVA ZA STROPNI OPAŽ *FLOOR SUPPORT*		0,61 1,3					
62055	KOMPEZACIJSKI ELEMENT 5 X 70 *COMPENSATION PIECE 5 x 70*		1.40 3					
62064	SQUARE FOR SIDE PANEL - WITHOUT WEDGE K *SPONA NOSILCA - BREZ ZAGOZDE K*		5,35 2,43					
62071	CLAMP BLOCKING PIN *ZATIČ ZA PRIMEŽ*		0.012 0.03					
62070	CLAMP *COMPENSATION PIECE 5 x 70*		0.29 0.63					
62064	SQUARE FOR SIDE PANEL *SPONA NOSILCA*		1.03 2.26					
64622	WEDGE K *ZAGOZDA K*		0.155 0.34					
62069	CURSOR *SMERNIK SPONE NOSILCA*		0.335 0.74					
64623	SPRING CLAMP *ZAPONKA*		0,02 0,007					
	WOODEN BEAM 6,2-9,5-12,8-16ft *LESENI NOSILEC 1,9-2,9-3,9-4,9m*							
003840	FORK *VILICA*		4,4 2					
002259	HEAD FOR WOODEN BEAMS *GLAVA ZA LESENE NOSILCE*		2,3 1,02					

63000	ČEP 20 *PLUG DIAMETER 20*		0,004 0,008					
62300	SVEDER d. 20/226 mm *BORER d. 0,7/1 in*		0,9 2					
K6S	BRIZGALKA ZA NANAŠANJE ECO 2 *PUMP FOR APPLYING ECO2*		1,63 3,6					
71000	PRODUKT ZA POPRAVILO ELEMENTA ECO3 *PRODUCT FOR REPAIRING ECO 3*		5,03 11,08					
03395	KISLINA ZA RAZTAPLJANJE ECO 2 *ACID FOR DISSOLVING ECO 2*		25,2 6,6					
	CEV JUVIDUR L= 2 m *PLASTIC TUBE L= 6,56 ft*		0,4 0,88					
02524	ROZETA 22 mm *ROSETTE 0,86 in*		0,0004 0,008					
00942	GUMI ČEP 22 mm *RUBBER PLUG 0,86 in*		0,007 0,015					
03262	ČEP ZA ROZETO - 1000 kos *PLUG FOR ROSETTE - 1000 pcs*		0,0016 0,003					
	DISTANČNIK Z ROZETO 150, 200, 250, 300 MM *DISTANCER WITH ROSETTE* *5,9 - 7,9 - 9,8 - 11,8 in*		30 - 50 g 0,006 - 0,1 lb					
	GUMIJASTO KLADIVO *RUBBER HAMMER*		1 2,2					
	OPAŽNO OLJE *FORMWORK OIL*		17,2 37,9					
					SKUPAJ / TOTALE- kg			

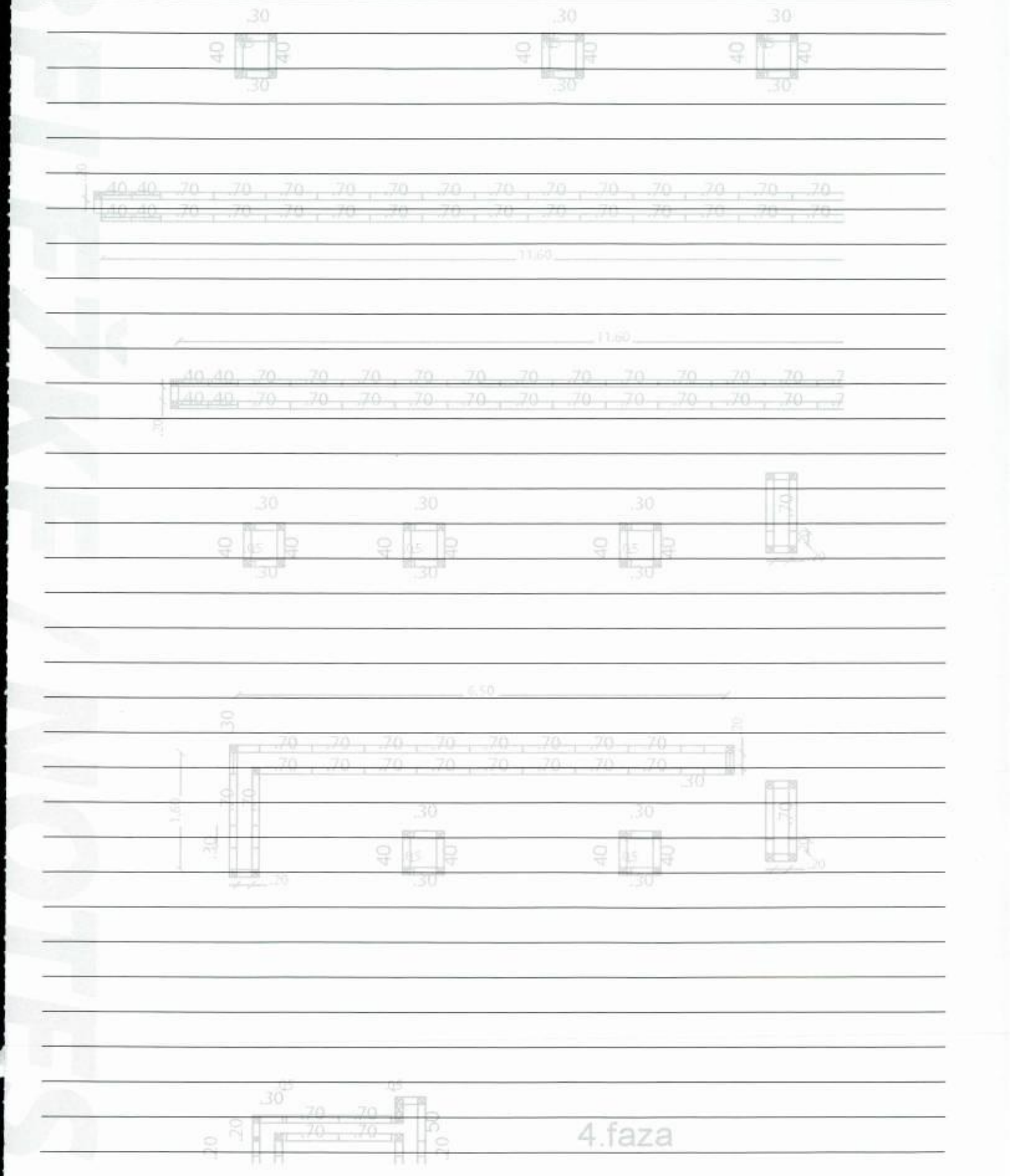
ODPREMA / DELIVERY:.....

PLAČILO / PAYMENT:.....

KVALITETA / PARITY:.....

POTRDITEV / CONFIRMATION:

BELEŽKE / NOTES



ECOPA

representative offices

