



USER INFORMATION
MANUALE D'USO



UNIDECK

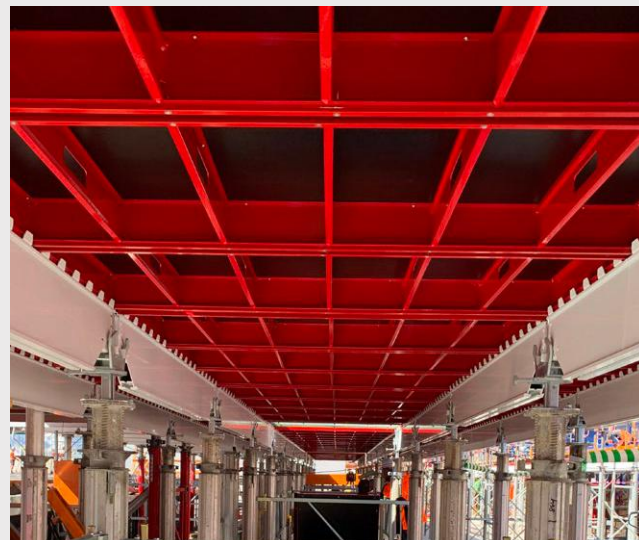
ALLUMINIUM PANEL
SLAB FORMWORK

A PERFECT SYSTEM FOR YOUR JOB

Based on a solid thirty years' experience as a producer, Our company produces technological equipment for the building industry. Engineering, design and testing are at the basis of every project carried out by our company.

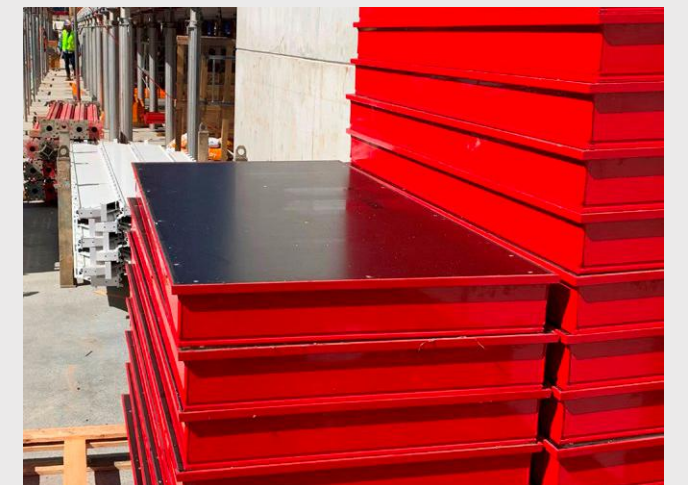


Choice of quality materials, in-house production and rigorous testing operations are the prerogatives for our high quality products.



FORMWORK FOR CLOSED PANEL SLAB

Studied for the most demanding construction sites, where velocity, firmness, flexibility and technology must be a whole with the product. The technicians realised a high quality product, able to respond to the multiple needs of the modern construction site.

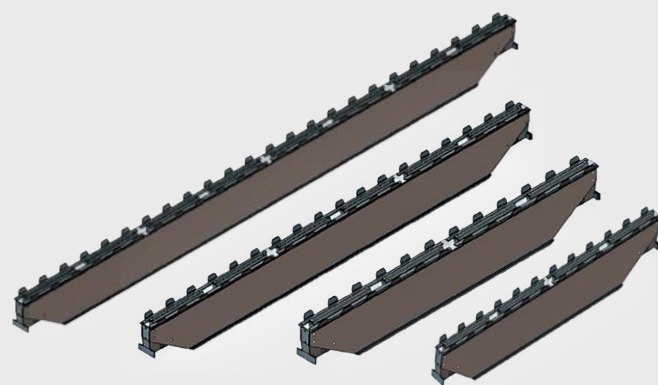


SYSTEM COMPONENTS

We decided to keep faith to its technological commitment, producing a single combined system for the fulfilment of every type of slab; for this reason the UNIDECK panel integrates perfectly with the Lajflex system and all its accessories, allowing the technological growth of its customers without a continuous replacement of the components.



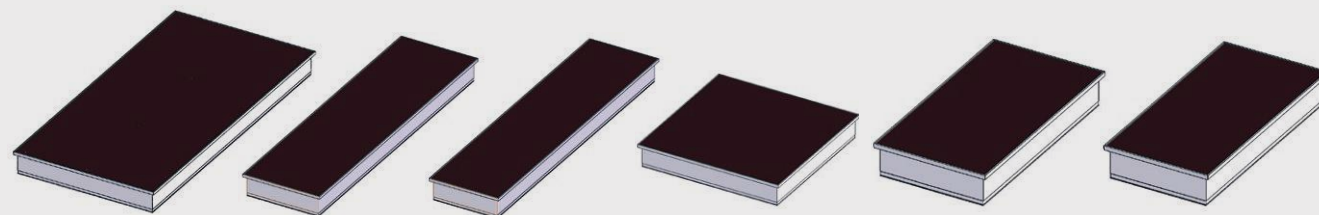
Lowering head



Alu beam



PVC Profile



UNIDECK closed panel 75x150

UNIDECK closed panel 42x150

UNIDECK closed panel 37,5x150

UNIDECK closed panel 75x75

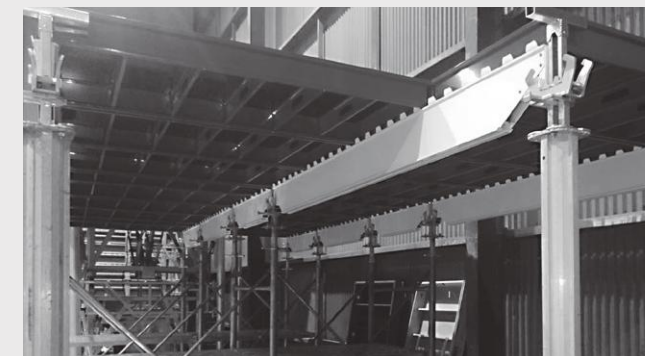
UNIDECK closed panel 42x75

UNIDECK closed panel 37,5x75

1

EASY TO ASSEMBLE

A few simple procedures allow the assembly of the 3 main elements of the system.



2

FAST TO ASSEMBLE

A system based on simple concepts results quick in its purpose; so the laying results fast and safe.



3

FLEXIBLE

Being flexibility the primary feature of the system, the formwork fully integrates with the previous systems and with the most demanding construction types.



4

SAFE

Integrating with the others systems, the worker finds all the accessories to secure the working area simply and quickly.



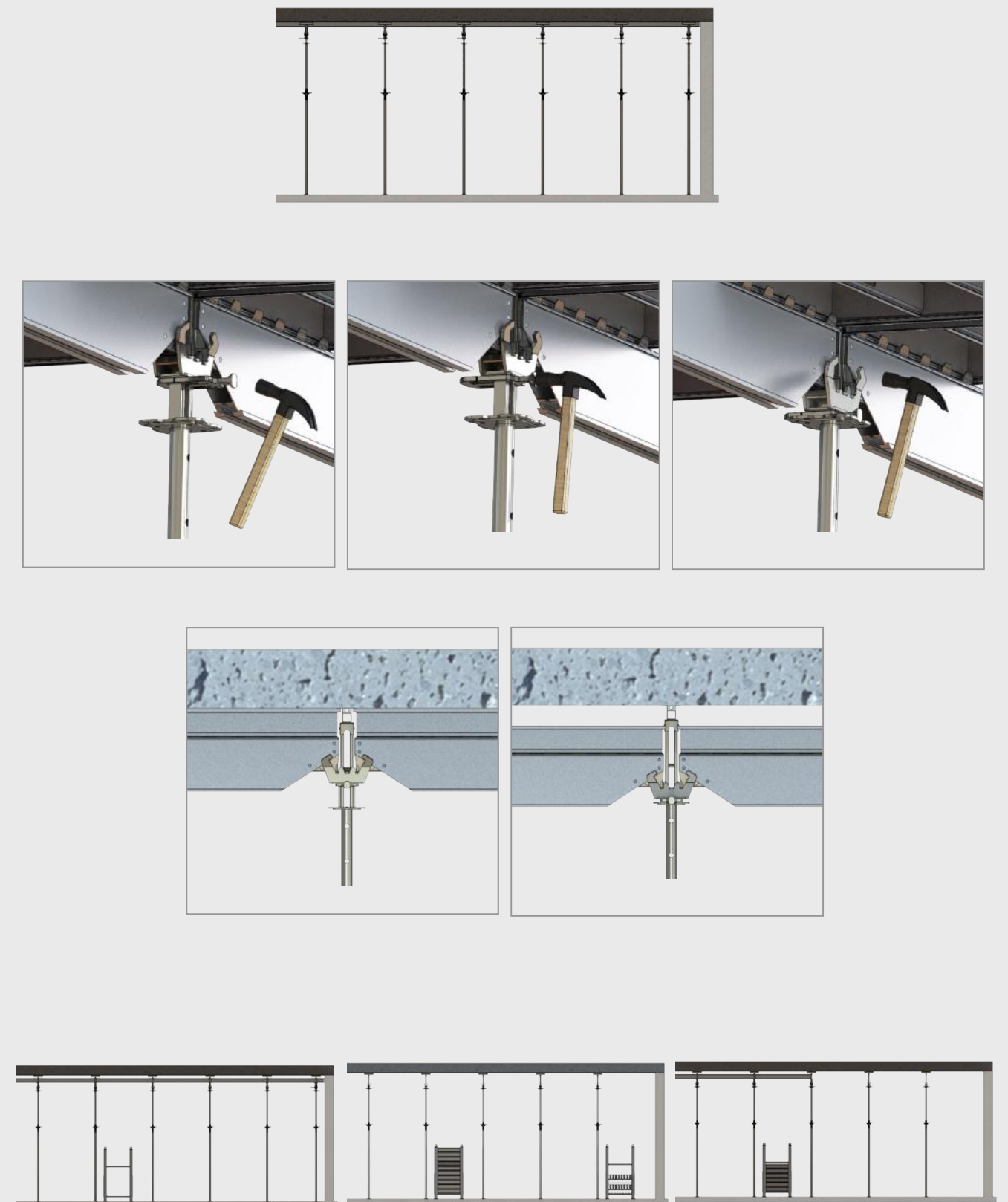
ASSEMBLY AND DISASSEMBLY OF THE UNIDECK STRUCTURE

Props, main beams and UNIDECK panels placement

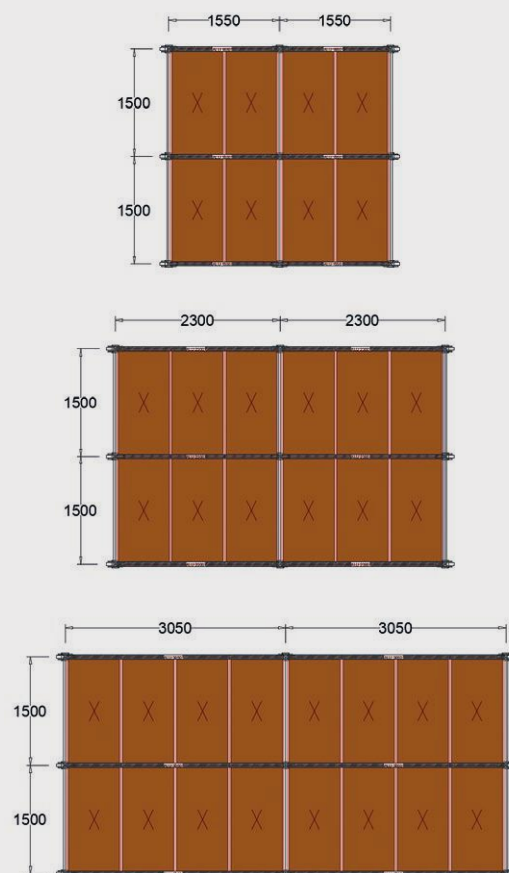


ASSEMBLY AND DISASSEMBLY OF THE UNIDECK STRUCTURE

Striking



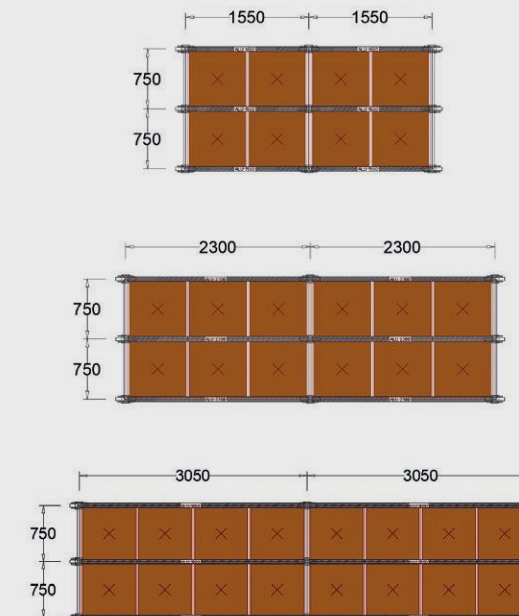
PROP LOADS WITH DROPHEAD UNIDECK



PANEL SPAN 1,50 MT

| Slab thickness D cm | Load Q (kN/m ²) | Prop load kN * Main bean UDK 155 | Deflection line ** | Prop load kN * Main bean UDK 230 | Deflection line ** | Prop load kN * Main bean UDK 305 | Deflection line ** |
|------------------------|-----------------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|
| 10 | 4,30 | 10,00 | 7 | 14,84 | 7 | 19,67 | 7 |
| 12 | 4,82 | 11,21 | 7 | 16,63 | 7 | 22,05 | 7 |
| 14 | 5,34 | 12,42 | 7 | 18,42 | 7 | 24,43 | 7 |
| 16 | 5,86 | 13,62 | 7 | 20,22 | 7 | 26,81 | 6 |
| 18 | 6,38 | 14,83 | 7 | 22,01 | 7 | 29,19 | 6 |
| 20 | 6,90 | 16,04 | 7 | 23,81 | 7 | 31,57 | 5 |
| 25 | 8,20 | 19,07 | 7 | 28,29 | 7 | 37,52 | 5 |
| 30 | 9,56 | 22,23 | 7 | 32,98 | 6 | | |
| 35 | 11,12 | 25,85 | 6 | 38,36 | 6 | | |
| 40 | 12,68 | 29,48 | 6 | 43,75 | 5 | | |
| 45 | 14,24 | 33,11 | 6 | | | | |
| 50 | 15,80 | 36,74 | 6 | | | | |
| 55 | 17,36 | 40,36 | 6 | | | | |

PROP LOADS WITH DROPHEAD UNIDECK



PANEL SPAN 0,75 MT

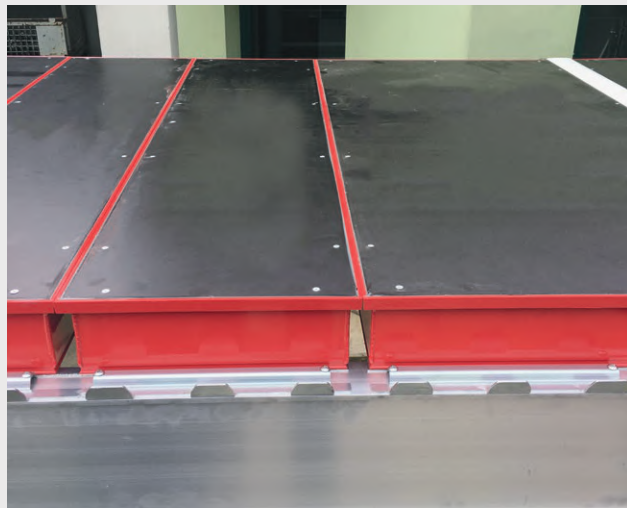
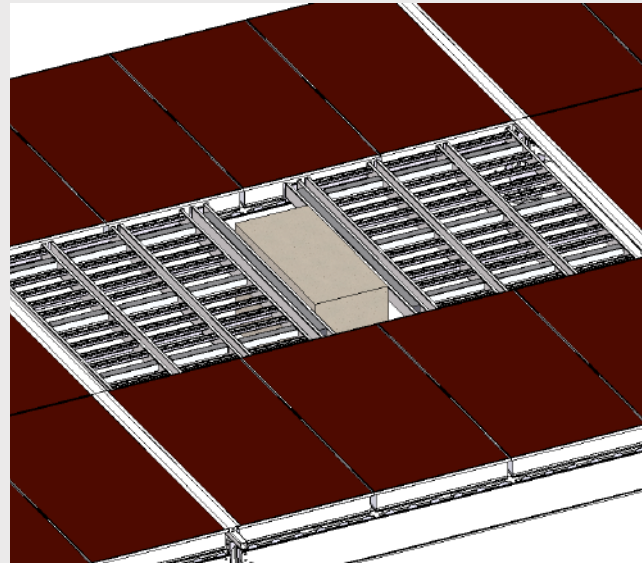
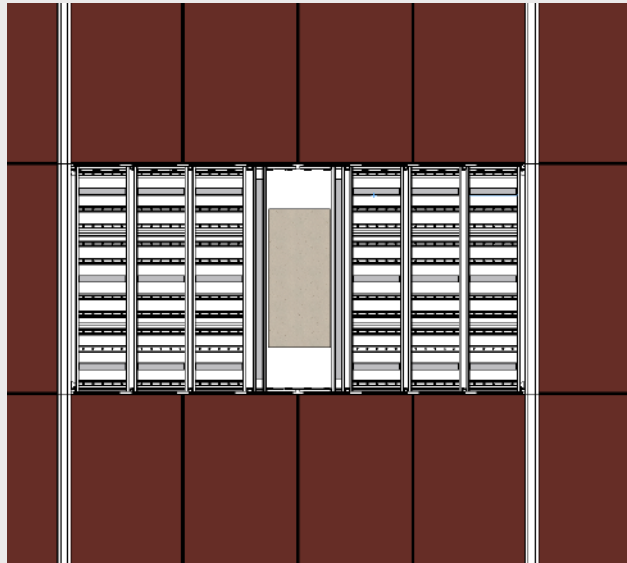
| Slab thickness D cm | Load Q (kN/m ²) | Prop load kN * Main bean UDK 155 | Deflection line ** | Prop load kN * Main bean UDK 230 | Deflection line ** | Prop load kN * Main bean UDK 305 | Deflection line ** |
|------------------------|-----------------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|-------------------------------------|-----------------------|
| 10 | 4,30 | 5,00 | 7 | 7,42 | 7 | 9,84 | |
| 12 | 4,82 | 5,60 | 7 | 8,31 | 7 | 11,03 | 7 |
| 14 | 5,34 | 6,21 | 7 | 9,21 | 7 | 12,22 | 7 |
| 16 | 5,86 | 6,81 | 7 | 10,11 | 7 | 13,40 | 7 |
| 18 | 6,38 | 7,42 | 7 | 11,01 | 7 | 14,59 | 7 |
| 20 | 6,90 | 8,02 | 7 | 11,90 | 7 | 15,78 | 7 |
| 25 | 8,20 | 9,53 | 7 | 14,15 | 7 | 18,76 | 7 |
| 30 | 9,56 | 11,11 | 7 | 16,49 | 7 | 21,87 | 6 |
| 35 | 11,12 | 12,93 | 7 | 19,18 | 7 | 25,44 | 6 |
| 40 | 12,68 | 14,74 | 7 | 21,87 | 6 | 29,01 | 6 |
| 45 | 14,24 | 16,55 | 7 | 24,56 | 6 | | 6 |
| 50 | 15,80 | 18,37 | 7 | 27,26 | 6 | | |
| 55 | 17,36 | 20,18 | 7 | 29,95 | 6 | | |
| 60 | 18,92 | 21,99 | 7 | | | | |
| 65 | 20,48 | 23,81 | 6 | | | | |
| 70 | 22,04 | 25,62 | 6 | | | | |
| 75 | 23,60 | 27,44 | 6 | | | | |
| 80 | 25,16 | 29,25 | 6 | | | | |

*Load according to DIN EN 4421:
 Dead load Q1 = 0,20 kN/m²
 Concrete load Q2 = 0,26 kN/m³ x D (cm)
 Variable load Qv = 0,2 x Q2 + 1,50 kN/m²

Total load Q = Q1 + Q2 + Qv
 **Deflection according to DIN 18202

LAJFLEX - UNIDECK INTEGRATION

Making the system combined was the basic concept of our design engineers; the great result achieved is the complete integration of a system with the others, allowing the designer to establish, depending on the project requirements, which system is worth using. We also have a flexibility at the highest levels, never achieved before in the field of slab formworks.



UNIDECK MAIN COMPONENTS

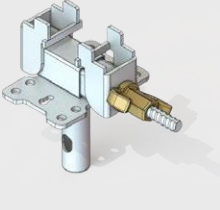
Cod. 700-2024
LOWERING HEAD
Main element of the system, with lowering. Base plate for standard props. With hookings to place the beam from the bottom.
Weight: 7,55 kg
Finishing: hot galvanized



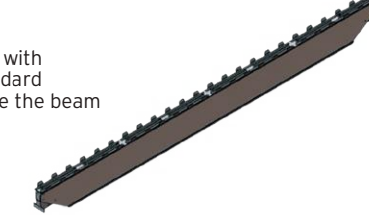
Cod. 700-2027
FIX HEAD
Main alu beam element, center distance 305 cm
Weight: 23,00 kg (L305)
Finishing: polyester painting / electrolytic galvanized.



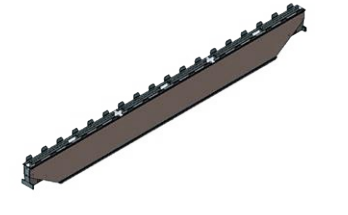
Cod. 700-2028
FIXED SUPPORT
Anchoring element with lower screw for beam-prop.
Weight: 2,60 kg
Finishing: electrolytic galvanized



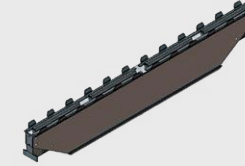
Cod. 700-2001
ALU BEAM L3050
Main element of the system, with lowering. Base plate for standard props. With hookings to place the beam from the bottom.
Weight: 7,55 kg
Finishing: hot galvanized



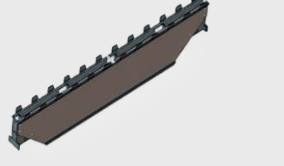
Cod. 700-2000
ALU BEAM L2300
Main alu beam element, center distance 230 cm
Weight: 18,00 kg (L230)
Finishing: polyester painting / electrolytic galvanized.



Cod. 700-2002
ALU BEAM L1550
Main alu beam element, center distance 155 cm
Weight: 12,00 kg (L155)
Finishing: polyester painting / electrolytic galvanized.



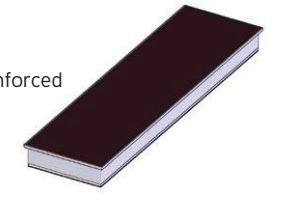
Cod. 700-2003
ALU BEAM L1220
Main alu beam element, center distance 122 cm
Weight: 9,50 kg (L122)
Finishing: polyester painting / electrolytic galvanized



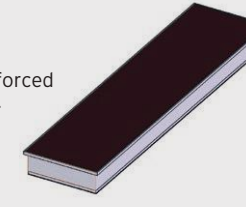
Cod. 700-2010
UNIDECK PANEL 75x150
Main element for the concreting of reinforced concrete slabs, panel size 150 x 75 cm. With multilayer panel H 9
Weight: 16,00 kg
Finishing: polyester painting



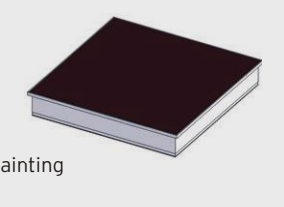
Cod. 700-2012
UNIDECK PANEL 42x150
Main element for the concreting of reinforced concrete slabs, panel size 150 x 42 cm. With multilayer panel H 9
Weight: 12,00 kg
Finishing: polyester painting



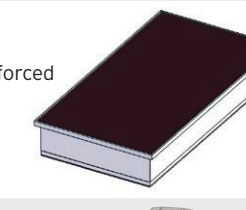
Cod. 700-2011
UNIDECK PANEL 37,5x150
Main element for the concreting of reinforced concrete slabs, panel size 150 x 37,5 cm. With multilayer panel H 9
Weight: 10,00 kg
Finishing: polyester painting



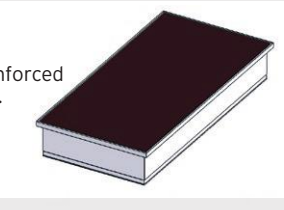
Cod. 700-2015
UNIDECK PANEL 75x75
Main element for the concreting of reinforced concrete slabs, panel size 75 x 75 cm. With multilayer panel H 9
Weight: 9,00 kg - Finishing: polyester painting



Cod. 700-2017
UNIDECK PANEL 42x75
Main element for the concreting of reinforced concrete slabs, panel size 75 x 42 cm. With multilayer panel H 9
Weight: 6,50 kg
Finishing: polyester painting



Cod. 700-2016
UNIDECK PANEL 37,5x75
Main element for the concreting of reinforced concrete slabs, panel size 75 x 37,5 cm. With multilayer panel H 9
Weight: 5,50 kg
Finishing: polyester painting



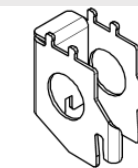
Cod. 700-2050
PVC PROFILE L150
Element for the complete system.
Weight: 1,50 kg
Finishing: pvc



Cod. 700-2041/2040
FE COMPENSATION L75/L150
Compensation element for decking, L 750 mm /1500mm
Weight: 5,00/10,00 kg
Finishing: electrolytic galvanized



Cod. 700-2063
END SUPPORT
Terminal element of the system
Weight: 1,20 kg
Finishing: electrolytic galvanized



Cod. 700-2055
WALL FIXING
Element for anchoring the system to the wall
Weight: 11,00 kg
Finishing: electrolytic galvanized



Cod. 700-2082
BOX FOR PANELS
Weight: 70,00 kg
Finishing: polyester painting



Cod. PK-BMT.A02
PLATFORM FOR PANELS
Weight: 90,00 kg
Finishing: polyester painting





forms for your ideas



ISO 9001
BUREAU VERITAS
Certification



THE FORMWORK SRL

Via Achille Grandi, 7 - 20097 San Donato Milanese (Milano) - Italy

Tel. +39 02 5275829 - 02 5279974 - Fax +39 02 55600291

info@theformwork.it | www.theformwork.it