

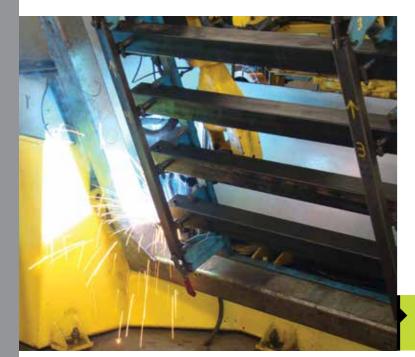






COFIBER

Light Flat Formwork



Cofiber® is a light formwork system comprising a small number of components.

The primary beams are called assembly beams and the secondary beams are called support beams.

In addition to these two metallic elements there is a shoring rule and the tricot panel as a final element which is 27 mm thick.

The system encompasses other secondary elements to allow the flat formworking of solid slabs, fungiform slabs or CoCo slabs.

The components were developed to obtain highly productive light formwork which is easy to assemble and dismantle.

The metallic components are made of steel, welded and hot-dip galvanised.

Simple, Rapid Assembly

Cofiber® light formwork is the practical, rational solution for rapid formwork for flat slabs with the highest productivity indices.

The assembly process is commenced by placing primary assembly beams with the aid of pillars and the support of metallic vertical alignments.

The secondary support slabs slot onto the assembly slabs.

The tricoat panels that are going to make up the formwork surface are installed next, separated at intervals by the shoring rules.

The finishes are carried out, having installed the side walls and the reinforcements.

Finally, the concreting operations are carried out.



The secondary settlement slabs are settled on primary assembly slabs, being slotted in at the appropriate place.





The support beams are made by deploying state-of-the-art technology such as robotised welding and quick-tightening tools, thereby ensuring the highest quality standards.



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THE COFIBER® IS A LIGHT SYSTEM WHICH IS EASY TO USE IN ASSEMBLY AND DISMANTLING.

IT REDUCES MANUAL CARPENTRY
OPERATIONS AND THE NEED
FOR LABOUR AS WELL AS GETTING
RID OF ANY WOOD WASTAGE.







The advantages of Cofiber® flat formwork are associated with the speed and simplicity of assembly and dismantling which is conducive to high productivity gains.

It is a resistant, safe formwork structure.



The simplicity of the system is supported by the type of connection between the various elements as is the case of the beam which is endowed with a slothole in the support rod situated on the rear part of the beam.

As the various elements are multipurpose, their use in other formwork situations is fostered.



The Cofiber® recoverable formwork system adapts easily to any type of flat slab, forming a solid, resistant structural unit.

Labour savings, the elimination of wastage and the immediate reuse of elements, lend a highly competitive edge.

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Formwork Rotation Cycles

The rotation cycles for Cofiber® formwork components allow material whose formwork has been removed to be available for reuse three to five days (depending on the type of concrete) after concreting.

In a rotation cycle with 1+2 sets of post-shoring rules, 3 concreting operations are achieved in one month. With a rotation cycle of 1+3 one concreting operation is achieved per week.

At the end of the works at the works' site, after formwork removal, it is easy to identify the material recovered there.

An additional set of shoring blocks for formworking the 2nd floor as the one used on the 1st floor are retained at the shoring service.

In the 3rd week the formworking of the 3rd floor is carried out, applying the 3rd set of shoring blocks available.

In the 4th week the formworking of the 4th floor is carried out, applying the 4th set of shoring blocks available.

In the 5th week the 5th floor is formworked. On this floor, the material recovered on the previous floor is used as well as the shoring blocks that had been retained on the 1st floor in the slab shoring service.

Assuming the maximum operation of the rotation cycles, in other words, 1+3 in which one concreting operation is achieved per week, formworking works are started on the slab of the 1st floor in the first week so as to carry out concreting on the fifth day. Three days after concreting formwork removal is carried out of the assembly beams, of the support beams and of the wooden or 'CoCo" panels so as to make available this equipment in the formworking of the second floor in the 2nd week.





The Cofiber® flat formworking system is prepared to respond effectively to any flat formwork situation using the same components.

To carry out recoverable formwork with "CoCos", only two additional elements are used: the recoverable blocks and the shoring blocks.

It allows the use of "CoCos" of any size.







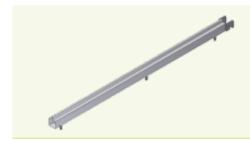
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Cofiber® Elements





| P020207 | SIMPLE SUPPORTING BEAM | Weight (Kg) |
|--------------|------------------------------------|-------------|
| P0202072000G | Simple supporting beam of 2m galv. | 11,14 |
| P0202073000G | Simple supporting beam of 3m galv. | 16,40 |
| P0202074000G | Simple supporting beam of 4m galv. | 21,40 |



| P020208 | SUPPORTING BEAM WITH SEPARATOR | Weight (Kg) |
|--------------|--|-------------|
| P0202082000G | Supporting beam with separator of 2m g | 13,22 |
| P0202083000G | Supporting beam with separator of 3m g | 19,43 |
| P0202084000G | Supporting beam with separator of 4m g | 25,00 |



| P020212 | PROPPING RULER FOR BEAM | Weight (Kg) |
|--------------|---------------------------------------|-------------|
| P0202121000G | Ruler shoring p / 1,0m beam-PN2 galv. | 5,80 |



| P020214 | PROPPING RULER FOR FLAGSTONE - 2000 | Weight (Kg) |
|--------------|---|-------------|
| P0202141000G | Propping ruler for flagstone of 1 m-PN2 galv. | 4,88 |
| P0202142000G | Propping ruler for flagstone of 2 m-PN2 galv. | 7,00 |



| P020218 | RULERS OF CLOSING - 2000 | Weight (Kg) |
|--------------|--------------------------------|-------------|
| P0202181000G | Ruler closing 1.0m PN2 galv. | 5,40 |
| P0202182000G | Ruler closure of 2 m-PN2 galv. | 9,40 |



| P020215 | PROPPING RULER FOR COCONUT | Weight (Kg) |
|--------------|---|-------------|
| P0202151000G | Ruler brace w / coconuts 1.0m PN2 galv. | 6,00 |
| P0202152000G | Ruler brace w / coconuts 2.0m PN2 galv. | 20,50 |



| P020216 | RECOVERABLE RULER FOR COCONUT | Weight (Kg) |
|--------------|---|-------------|
| P0202161000G | Recoverable Ruler w / coconuts 1.0m PN2 galv. | 6,00 |
| P0202162000G | Recoverable Ruler w / coconuts 2.0m PN2 galv. | 11,00 |



| P020220 | EXTENDING SIMPLE BARS | Weight (Kg) |
|--------------|-------------------------------------|-------------|
| P0202201300G | Telescopic Beam simple 1,3m - galv. | 7,00 |



| P020221 | EXTENDING BARS WITH CONNECTOR | Weight (Kg) |
|--------------|--|-------------|
| P0202211300G | C extensible bar / connector of 1,3m galv. | 9,48 |



| P020223 | FIXED CONNECTORS | Weight (Kg) |
|--------------|--------------------------------|-------------|
| P0202230001G | Fixed beam connector for galv. | 1,75 |



| P020224 | ROTARY BINDERS | Weight (Kg) |
|--------------|-------------------------------|-------------|
| P0202240001G | Galv. revolv. binder for beam | 1,88 |

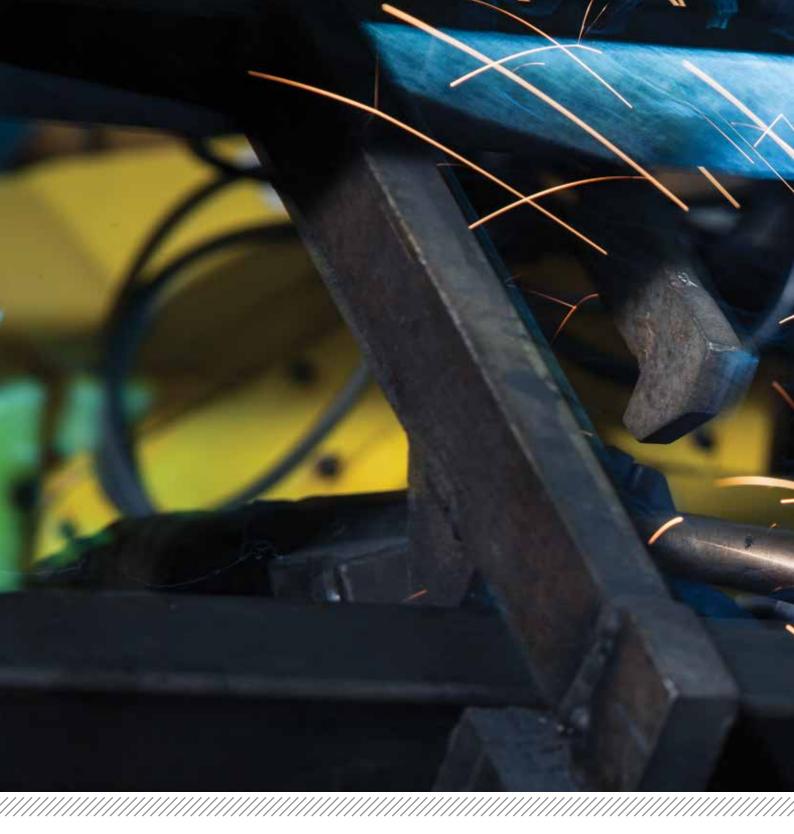


| P020226 | FIXED CONNECTORS | Weight (Kg) |
|--------------|-----------------------------|-------------|
| P0202260002G | Connector rotary beam galv. | 3,00 |



| N30I | PANELS TRICAPA | Weight (Kg) |
|------------------|--|-------------|
| N30ID0500R001000 | Tri-cover panels (Plywood) 100x500x27mm | 6,77 |
| N30ID0500R002000 | Tri-cover panels (Plywood) 2000x500x27mm | 12,39 |

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