

COFENOL RANGE

The simplest way to erect vertical concrete structures, with a minimum of parts and accessories for easier assembly and control. Its phenolic wood panel can be replaced when necessary. The Cofenol Range shares all the accessories of the Heavy Range, apart from clamps. This means that the two ranges can be combined.

SCREEN

The Cofenol Range formwork screens consist of a metal frame, to which a 15 mm. thick phenolic panel is fixed. The profiles which make up the frame of the screen are designed by Cofresa, and have a groove running along the whole of the inner rim the frame, so that screens with clamps can be joined quickly, safely and with no need for fixed positioning (screens on ground of different levels can be joined together).

The resistance of Cofenol Range is 50 kNw/m², with a maximum deformation for this pressure level of under 3 mm.

STANDARD MEASUREMENTS

Standard heights: 3.000/1.500/1.000 mm.

Standard widths: 2400, 1.000, 900, 800, 700, 600, 500, 400, 300, 200 mm.

Screen Cofenol
1000 x 3.000 mm.



Cofenol Range
fixed clamp.

Detail.



JOINING SCREENS: COFENOL RANGE CLAMP

The **Cofenol Range fixed clamp** is the piece which brings together, aligns and joins two screens quickly, with a hammer blow to the wedge. To release, simply hit in the opposite direction to the wedge. Guarantees fast, safe assembly, and allows any layout (there is no fixed joint, as the joint is along the groove made in the frame for this purpose).

The **Cofenol Range extendable clamp** is used when there is another component between the screens to be joined together (connecting profile, wood, etc.). Its opening and closing system uses a spindle, and can accommodate measurements between 50 mm. and 230 mm. approx.

The **Cofenol Range short extendable corner clamp** is designed to join internal corners, and therefore has only one arm.

The Heavy Range clamps are different from those of the Cofenol Range, so although they can also be used with the Cofenol Range if attached outside the profile (providing less alignment), it is advisable to use the correct clamp in each Range.



Cofenol Range extendable clamp.

TENSIONERS FOR BOTH SIDES OF WALL

For walls with formwork on both sides, a 15.5 mm. diameter Dywidag bar must be placed across the wall, with a 95 mm. pad nut.

SOLUTIONS FOR CORNERS

With internal angles either fixed at 90° or hinged (between 70° and 150°), and fixed or hinged external angles, we can provide solutions for almost any corner that may be required on site.

SPACERS

For spacing in a wall of a required length, a connecting profile can be placed between the screens if the space is a multiple of 50 mm. This must be attached using an extendable clamp or a Dywidag bar and hexagonal nut.

For spaces between 100 and 400 mm., a spacer sheet is used (variable measurement: can be adjusted millimetre by millimetre). Stiffeners must be attached for correct use.

WALL BRACED ON ONE SIDE

To make one-sided walls both safely and quickly, there are braces measuring 3, 4 and 6 metres high. These braces (which are the same as the Light and Cofenol Series) must be used with the screens in horizontal position, fitting four braces for every three linear metres of formwork, so they form one single body that can be moved as a block to the concrete work. If the screens have to be fitted vertically, due to site needs, Cofresa stiffeners will have to be placed horizontally between the screens and the braces, respecting the proportion of 4 braces for every 3 linear metres of formwork.

The braces have been calculated and designed to guarantee the same resistance limits as the rest of the heavy series (70 KNw/m² with 3 mm. maximum warping). However, and as the design has only been calculated for assembly with Cofresa formwork, the braces must be exclusively used in Cofresa formwork systems as correct functioning is not guaranteed with other makes of screens. The 6-metre brace is comprised of two 3-metre high bodies, which can be mounted independently to form 3-metre walls (see photo).



Assembly of formwork for both sides of wall using the Cofenol Range.

SAFETY AT HEIGHTS

Using the work bracket and the parapet, we can construct a 700 mm. walkway at the edge of the formwork. This provides access to work areas, and the safety necessary to work at heights.

HOISTING TOOL

Hoisting tools are the accessories needed to handle the formwork safely using cranes. Sheets of formwork measuring more than 12 square metres should not be lifted. The thread must be inserted into the hole for safety.

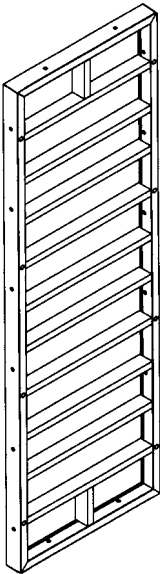
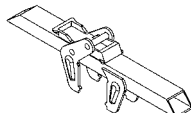
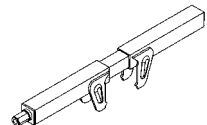
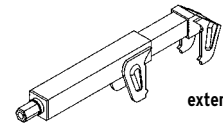


*Right to left:
Heavy Range screen, Cofenol
Range screen, aluminium screen. The clamps
which make this combination possible are from the
Cofenol Range.*

COFENOL TECHNICAL DATA

Phenol Thickness	15 mm.
Frame/Profiles	100 x 50 (grooved), 88 x 40 mm. x mm.
Allowable Pressure	50 kNw/m ²
Maximum Allowable Deformation	3 mm.
No. of Tie Rods (width 1.000 mm.)	4 tie rods = 1.3 tie rods/m ²
Weight of Screen (approx.)	36.3 kg/m ²
Weight of Screen + Access. (approx.)	43.3 kg/m ²
Standard Measurements	1.000 x 3.000, 600 x 3.000, 500 x 3.000, 400 x 3.000, 300 x 3.000 mm. x mm.

BREAKDOWN COFENOL

COFENOL SCREENS	REF. NO. ITEM	WEIGHT Kg.	COFENOL CLAMPS	REF. NO. ITEM	WEIGHT Kg.		
 <ul style="list-style-type: none"> 1.000 x 3.000 mm (3 m²) 600 x 3.000 mm (1,8 m²) 500 x 3.000 mm (1,5 m²) 400 x 3.000 mm (1,2 m²) 300 x 3.000 mm (0,9 m²) <ul style="list-style-type: none"> 1.000 x 1.500 mm (1,5 m²) 600 x 1.500 mm (0,9 m²) 500 x 1.500 mm (0,75 m²) 400 x 1.500 mm (0,6 m²) 300 x 1.500 mm (0,45 m²) 	3006000	109	 <p>Cofenol Range fixed clamp</p>	3001232	6		
	3006002	77		 <p>Cofenol Range extendable clamp</p>	3000523	6,5	
	3006004	66			 <p>Cofenol Range extendable corner clamp</p>	3000931	5
	3006006	60					
	3006008	52					
		3006001	56				
		3006003	34				
		3006005	29				
		3006007	23				
		3006009	18				

NB: Weights are approximate.

CAUTION: THE ACCESSORIES IN THE COFENOL RANGE ARE THE SAME AS THOSE OF THE HEAVY RANGE, EXCEPT FOR THE CLAMPS, WHICH DIFFER. SEE BREAKDOWN OF HEAVY RANGE ON PAGES 12 AND 13.