



HORFIX

THREE-COMPONENT ADHESIVE BASED IN EPOXY RESINS WITHOUT SOLVENTS

Epoxy resins compound of high resistance which is used to stick concrete and iron elements, plaster fillings and other kind of repairs. HORFIX is an excellent union bridge between a fresh concrete and a hardened one.

USES

Repairing works for cisterns, tanks, structural fissures, etc. To stick concrete, iron, metallic supports which are in contact with cured concrete, beams or pillars. Furthermore it is the perfect adhesive to be used with concrete, mortar, stone, wood, iron, steel, fibrocement, etc.

SURFACE PREPARATION

The surface where HORFIX will be applied must be resistant (without whitewash, dust, greases, oils or other pollutants which could affect the product adherence) and clean; so it is necessary a deep surface cleaning by mechanical (abrasion, sandblast,) or chemical (for example scaling with our product DESCAL) methods and finally a good rinse with abundant water.

INSTRUCTIONS FOR USE

MIX SOLIDIFYER INSIDE THE BASE POTS THE USE OF THE 3RD COMPONENT IS OPTIONAL.

Components mixing: the mixture can be made by hand or through a putty knife or another tool, trying to obtain a homogeneous mixture without mixed parts stuck in the pots. The mixture proportion is 81% resin and 19% catalyst. For an easy use of the components the standard pots are supplied with the exact proportion of each one so as to make easier do the mixture in the building place.

DO NOT DIVIDE THE QUANTITIES ROUGHLY because a wrong dosage can vary completely the nature of the obtained polymer and, consequently, its properties. The Pot-life (utilization time after mixing the components) varies depending on the temperature and the quantity of the product to prepare.

Surface application: when the surface is ready and the mixture is done, the product is applied on the surface with a putty knife, brush or similar, trying to place a homogeneous and continuous coat on the surface. The quantity to be applied will vary depending on the state and the porosity of the substratum, and it will be fewer as smoother is the surface. From the application till the hardening time is off the concrete can be conditioned with new mortar.



The joint will have the maximum resistance in 5 or 7 days, but logically the new concrete will reach its maximum resistance in 28 days.

Prefabricated concrete: what has been explained till here is also valid to join prefabricated elements; the only thing to have into account is that the product film must be thicker (1-3 mm., to be thick enough to fill the hollows between the two surfaces).

CONSUMPTION

It is approximate 0,5- 1kg/m² depending on the state and the surface nature.

COLOUR

Colourless.

PACKING AND STORING

HORFIX is packed in measured hermetic sets of 1 Kg., according to EC packing and storing directives for chemical products.



HYGIENE AND SAFETY

See product label.

SPECIFICATIONS					
Aspect A+B:	Transparent yellowish liquid.				
Density at+B:	1,07 ± 0,02 g/ml				
Viscosity at+B (A4,V20,25°C):	950 ± 50 cP				
Density at+B+C a 20°C:	1,23 ± 0,02 g/ml				
Viscosity at+B+C (A4,V20,25°C):	1850 ± 250 cP				
Dry extract at+B+C (120°C):	>95%				
Compression resistance: (UNE 83.821-92)	Compression: 1100 Kg/cm ²				
	Flexotraction: 600 Kg/cm ²				
	Traction: 120 Kg/cm ²				
Pot-life or useful life of the mixture:	A 25°C: 30-40'	A 20°C: 40-60'	A 10°C: 60-70'		
Sand gradation:	0,63	0,32	0,16	0,08	Fondo
	2 ± 2%	30±8%	39±10%	19±16%	6 ± 3%