



HYPERBOND EPX

PRODUCT CODE : 717

STRUCTURAL BONDING AGENT BETWEEN OLD AND NEW CONCRETE

DESCRIPTION

Epoxy based, two component structural bonding agent. Rokso HyperBond EPX complies with ASTM 881 – 87 Type II Grade 2 Class B and C.

USES

ROKSO HYPERBOND EPX may only be used by experienced professionals.

Rokso HyperBond EPX may only be used by experienced professionals.

Rokso HyperBond EPX is a structural bonding agent applied between old and new concrete surfaces during casting of roof slabs, retaining walls, water tanks, columns, extension of balconies, etc

ADVANTAGES

ROKSO HYPERBOND EPX offers the following advantages:-

Long pot life and open time allows sufficient time for placement of new concrete

Can be applied on moist surface also

Once the two components of the material is mixed the material must be used within approx 4 hours.

TECHNICAL INFORMATION

Compressive Strength	7 days @ +30°C	> 55 MPa	ASTM C881
Tensile Strength	14 days @ +30°C	~18-20 MPa	ISO 527
Shear Strength	14 days @ +30°C	> 10 MPa	ASTM C882

APPLICATION

Consumption	1 pack of 600g covers approximately 12-30 sqft depending on roughness and porosity of substrate (0.200- 0.500 kg/sqm depending on roughness and porosity of substrate)		
Pot Life	(According to FIP 5.1)		
	Temperature	ROKSO HYPERBOND EPX	
	30° C	4-5 hours	
	The potlife begins when the resin and hardener are mixed. It is shorter at high temperatures and longer at low temperatures. The greater the quantity mixed, the shorter the potlife. To obtain longer workability at high temperatures, the mixed adhesive may be divided into portions. Another method is to chill parts A+B before mixing them (not below +5°C).		

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

Mortar and concrete must be older than 28 days (dependent on environment and strength).

Verify the substrate strength (concrete, mortar).

The substrate surface (concrete, mortar) must be clean and free from frost standing water.

Concrete substrate must be sound and all loose particles must be removed.

PREPARATION :

CONCRETE MORTAR

Substrates must be sound, dry, clean and free from laitance, ice, standing water, grease, oils, old surface treatments or coatings and all loosely adhering particles to achieve a laitance and contaminant free, open textured surface. Cement laitance must be removed and the surface to be treated must be mechanically roughened

STEEL

Must be cleaned and prepared thoroughly to an acceptable quality i.e. by wire brushing, blast cleaning or vacuum.

APPLICATION

After mixing, apply directly to the prepared substrate by brush, roller. On damp surfaces, ensure that it is well brushed in.

Pour new concrete within 4-5 hours, as long as material is still tacky.

PRODUCT INFORMATION

Chemical Base	Epoxy resin	
Packaging	Pre-batched unit A+B	600 GMS SYSTEM
	Part A	400 GMS
	Part B	200 GMS
Colour	Part A+B	
	Part A	White liquid
	Part B	Blackish brown liquid
Density	Mixed Density 1.68 kg/l at 30° C	
Shelf Life	12 months from the date of production	
Storage Conditions	Store properly in original unopened, sealed and undamaged packaging, in dry conditions at temperatures between +5°C and +40°C. Protect from direct sunshine..	

MIXING

PRE-BATCHED UNITS:

Part A : Part B = 2 : 1 (by weight) Pre-batched Mixing Time.

Pre-batched units

Mix parts A+B together for at least 3 minutes with the provided spatula until the material becomes smooth in consistency and a uniform grey colour. Avoid aeration while mixing. Then, pour the whole mix into a clean container and stir again for approx. 1 more minute at low speed to keep air entrapment at a minimum. Mix only that quantity which can be used within its pot life.

APPLICATION METHOD :

After mixing, apply directly to the prepared substrate by brush, roller. On damp surfaces, ensure that it is well brushed in. Pour new concrete within 4-5 hours, as long as material is still tacky.

CLEANING OF TOOLS

Clean all tools and application equipment with ROKSO® Cleaner. Cured material can only be removed mechanically.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of ROKSO products, are given in good faith based on ROKSO current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with ROKSO's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. ROKSO reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

Manufactured in INDIA by
ROKSO INDIA PRIVATE LIMITED

AN ISO 9001 : 2015 CERTIFIED COMPANY

ADMN.OFFICE: 605,SAI JANAK CLASSIC,ABOVE MURLIDHAR SWEETS, NEAR FLYOVER BRIDGE, DEVIDAS LANE, BORIVALI (W) MUMBAI-103
REGD OFFICE : 202,MADHUVAN,SHRI KRISHNA COMPLEX,NR.SHRIRAM NAGAR,VIVA COLLEGE RD,VIRAR(WEST) DI :PALGHAR -401303 MS
E-MAIL : info@roksoindia.com / WEB SITE : www.roksoindia.com

The data & guidelines provided hereabove is based on compiled information which we believe reliable. Users are requested to test all the applications independently before commercial use. This data & informations are non binding & we donot assure any liability for failure of any guidelines or performance of the product as correct identification of the problem, quality of the other materials & on-site workmanship are factors beyond our control.