Product Data Sheet Edition 23/03/2017 Identification no: 02 03 02 02 003 0 000025 Sika<sup>®</sup> Hibond

## Sika<sup>®</sup> Hibond

Structural bonding agent between old and new concrete

Product Description	Epoxy based, two component structural bonding agent. Sika $^{\$}$ Hibond complies with ASTM 881 – 87 Type II Grade 2 Class B and C.
Uses	Sika <sup>®</sup> Hibond 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
Characteristics / 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.

## **Product Data**

Form	
Appearance /Colours	Part A: White liquid
	Part B: Blackish brown liquid
Packaging	600g System
	Part A: 400g
	Part B: 200g
	1.2kg System
	Part A: 800g
	Part B: 400g
Storage	
Storage Conditions / Shelf Life	12 months from date of production if stored properly in original unopened, sealed and undamaged packaging, in dry conditions at temperatures between +5°C and +40°C. Protect from direct sunshine.
Technical Data	
Chemical Base	Ероху
Mixed Density	1.68 kg/l at 30°C
Mechanical / Physical Properties	
Strength Development	Confirm the strength development by producing cubes on site and testing them for compressive and flexural strength.



System Information			
Application Details			
Substrate Quality	Mortar and concrete must be older than 28 days (dependent on environment and strength).		
	Verify the substrate strength (concrete, m	ortar).	
	The substrate surface (concrete, mortar) water.	must be clean and free from frost standing	
	Concrete substrate must be sound and al	l loose particles must be removed.	
Substrate Preparation Concrete, mortar: Substrates must be sound, dry, clean and free from laitance, ice grease, oils, old surface treatments or coatings and all loosely ac achieve a laitance and contaminant free, open textured surface. must be removed and the surface to be treated must be mechan		atings and all loosely adhering particles to open textured surface. Cement laitance	
	Steel: Must be cleaned and prepared thoroughly brushing, blast cleaning or vacuum.	to an acceptable quality i.e. by wire	
Application Instructions			
Mixing	Part A : Part B = 2 : 1 (by weight) Prebatched		
Mixing Time	provided spa in consistent aeration whi a clean cont minute at low	B together for at least 3 minutes with the atula until the material becomes smooth by and a uniform grey colour. Avoid le mixing. Then, pour the whole mix into ainer and stir again for approx. 1 more v speed to keep air entrapment at a fix only that quantity which can be used	
Application Conditions /	After mixing, apply directly to the prepared surfaces, ensure that it is well brushed in.	· · · ·	
Limitations	Pour new concrete within 4-5 hours, as long as material is still tacky.		
Coverage	1pack of 600g covers approximately 12-30 sqft depending on roughness and porosity of substrate		
	1pack of 1.2kg covers approximately 24-60 sqft depending on roughness and porosity of substrate		
	(0.200- 0.500 kg/sqm depending on rough	· · ·	
Cleaning of Tools	Clean all tools and application equipment with Sika <sup>®</sup> Colma Cleaner immediately after use. Hardened / cured material can only be mechanically removed.		
Potlife		(According to FIP 5.1)	
	Temperature	Sika <sup>®</sup> Hibond	
	30°C	4-5 hours	
	The potlife begins when the resin and har temperatures and longer at low temperatu shorter the potlife. To obtain longer worka adhesive may be divided into portions. Ar mixing them (not below +5°C).	rres. The greater the quantity mixed, the bility at high temperatures, the mixed	

Value Base	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.
Health and Safety Information	For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet 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 Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika'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. Sika 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.



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