

# ROCK BOND 23

## Epoxy Resin Bonding Agent

<b>PRODUCT DESCRIPTION</b>	Rock Bond 23 is a solvent free, two components, bonding agent, based on selected epoxy resins. Complies to: ASTM C 881 type II, Grade 2 Class B+C		
<b>USES</b>	Rock Bond 23 provides a bond of far greater strength than the tensile strength of the concrete itself. Therefore, it is suitable for use wherever structural bonding of new to existing concrete is carried out. Rock Bond 23 can also be used as a bonding agent on: mortar, steel, iron etc.		
<b>ADVANTAGES</b>	Rock Bond 23 is available in two different grades of reactivity: normal and long pot life. Other benefits are: <ul style="list-style-type: none"> <li><input type="checkbox"/> Easy to apply.</li> <li><input type="checkbox"/> Solvent-free.</li> <li><input type="checkbox"/> Unaffected by moisture.</li> <li><input type="checkbox"/> Highly effective, even on damp surfaces.</li> <li><input type="checkbox"/> Workable at low temperatures.</li> <li><input type="checkbox"/> High tensile strength.</li> </ul>		
<b>PRODUCT DATA</b>			
<b>Color</b>	Light Grey.		
<b>Packaging</b>	5 kg units (A+B).		
<b>Storage</b>	Store at temperatures between +5°C and +30°C, in dry conditions.		
<b>Shelf Life</b>	24 months from date of production if stored properly in original unopened packing.		
<b>Technical Data</b>	1.4 kg/l.		
<b>Density (20 °C)</b>			
<b>Mechanical Strengths</b>	<input type="checkbox"/> Compressive strength 50-60 N/mm <sup>2</sup> Flexural strength 30- 35 N/mm <sup>2</sup> Tensile strength 18 -20 N/mm <sup>2</sup> Bond strength to concrete 2.5 -3 N/mm <sup>2</sup> (concrete failure). Bond strength to Steel 18 -20 N/mm <sup>2</sup> (Normal: 20°C, 65% r.h.. 10 days: L.P.: 35°C).		
<b>APPLICATION</b>			
<b>Coverage</b>	0.3 - 0.8 kg/m <sup>2</sup> , depending on substrate condition.		
<b>Surface Preparation</b>	All surfaces must be clean, free from frost standing water and all loosely adhering particles. Cement laitance must be removed and the surfaces to be treated must be mechanically roughened.		
<b>Mix Ratio</b>	Parts by weight: Comp. A: B = 2: 1.		
<b>Mixing</b>	Mix components (A + B) together with a mixing paddle attached to a slow speed electric drill (max. 600 R.P.M.) until the material become smooth in consistency. Avoid entrapping air.		
<b>Application</b>	After mixing apply directly to the prepared substrate by brush, roller or spray. On damp surfaces, ensure that it is well brushed in. Pour new concrete within specified open time, as long as material is still tacky.		
<b>Cleaning</b>	Clean all tools and equipment immediately after use with Cleaner.		
<b>Pot Life</b>	° C	Type	L.P.
	40	Normal	20 min
	30	Normal	40 min.
	20	Normal	90 min.
	10	Normal	60 min
	5	Normal	120min.
<b>Open Time</b>	°C	Type	L.P.
	40	Normal	4 hrs.
	30	Normal	8 hrs.
	20	Normal	-

## SAFETY

In liquid state components (A + B) contaminate water. Do not dispose of into water or soil but according to local regulations.

## INSTRUCTIONS

### Ecology

### Transport

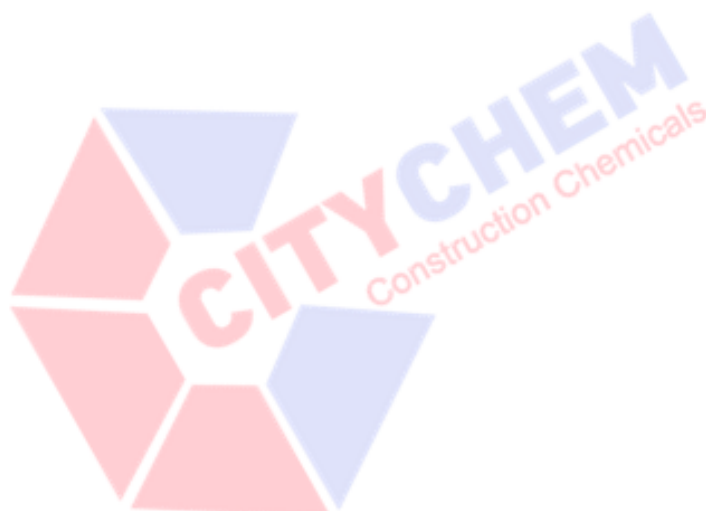
Comp. (A): Non-hazardous.  
Comp. (B):8/65c).

### Safety precautions

If splashed onto skin, take off immediately all contaminated clothing. Wash contaminated skin with plenty of soap and water. In contact with eyes or mucous membrane flush immediately with plenty of water and seek medical attention without delay.

### Toxicity

Class. 4, under the relevant Swiss health and safety codes.



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