

# EPOXY BOND



Epoxy Bond is a two part, non-solvented, liquid epoxy resin. It is mainly used to permanently bond freshly mixed mortar or concrete, to hardened concrete, glazed bricks, tiles, steel or other structural materials. Epoxy Bond can be used as a bonding agent for concrete, mortars, stone, steel, iron, etc.



**HIGH BOND STRENGTH**  
**MOISTURE TOLERANT**  
**CURES IN DRY OR DAMP CONDITIONS**  
**CAN BE APPLIED AT DOWN TO 3°C**

**TECHNICAL INFORMATION:**

PRODUCT INFORMATION											
<b>COLOUR:</b>	Grey (mixed)										
<b>SPECIFIC GRAVITY:</b>	1.45 (mixed)										
<b>TENSILE STRENGTH:</b>	20 N/mm <sup>2</sup> approx.										
<b>FLEXURAL STRENGTH:</b>	30 N/mm <sup>2</sup> approx.										
<b>COMPRESSIVE STRENGTH:</b>	60 N/mm <sup>2</sup> approx.										
<b>APPLICATION RANGE:</b>	Min 3°C, Max 30°C										
<b>ADHESION STRENGTHS:</b>	Typically concrete fails, i.e. in excess of 3 N/mm <sup>2</sup>										
<b>POT LIFE:</b>	20 - 25 min										
<b>SLANT-SHEAR TEST:</b>	38 N/mm <sup>2</sup>										
<b>CONSUMPTION (GUIDE ONLY):</b>	<table border="1"> <thead> <tr> <th></th> <th><b>Rough Concrete</b></th> <th><b>Smooth Concrete</b></th> </tr> </thead> <tbody> <tr> <td><i>Roller Apply</i></td> <td>Not very effective</td> <td>3-5 m<sup>2</sup>/kg</td> </tr> <tr> <td><i>Brush Apply</i></td> <td>1-2 m<sup>2</sup>/kg</td> <td>2-4 m<sup>2</sup>/kg</td> </tr> </tbody> </table>			<b>Rough Concrete</b>	<b>Smooth Concrete</b>	<i>Roller Apply</i>	Not very effective	3-5 m <sup>2</sup> /kg	<i>Brush Apply</i>	1-2 m <sup>2</sup> /kg	2-4 m <sup>2</sup> /kg
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## **DIRECTIONS FOR USE:**

### **PREPARATION**

Surfaces must be clean, sound, and free from grease, dirt, oil, etc. and free from standing water. Mechanical preparation to remove loose concrete and cement laitance is recommended.

### **MIXING**

Mix all the contents of Part A with all the contents of Part B thoroughly by hand or with a slow speed electric drill and paddle for a minimum of 3 minutes. Do not split packs.

### **APPLICATION**

Apply a layer of Epoxy Bond with brush or roller to the existing surface, working well into the substrate. Place new concrete or mortar while Epoxy Bond is still "tacky". If the epoxy bond has started to stiffen and cure prior to placing of mortar or concrete, Epoxy Bond should be reapplied to the area, otherwise a very weak bond will result. Good concrete practice should be followed in placing, compaction and curing of concrete or mortar layer.

### **IMPORTANT**

Cured Epoxy Bond will effectively act as a bond breaker. It is therefore imperative that the fresh concrete/mortar be applied onto the Epoxy Bond before it has 'gone off'. This will effectively mean that the Epoxy Bond must be brought with the new concrete, working in areas where the concrete can be placed within 10-15min of placing the Epoxy Bond.

### **CLEANING**

Clean tools, equipment, etc. immediately after use with Larsolve Thinners.

### **STORAGE**

Epoxy Bond should be stored in closed containers protected from extremes of temperature.

### **SHELF LIFE**

12 months in unopened manufacturer's containers.

### **PACKAGING**

1kg and 5kg packs.