

ROCKBOND MOULD REPAIR EPOXY

High Strength Epoxy for the repair of Steel Moulds

DESCRIPTION

ROCKBOND MOULD REPAIR EPOXY (RB 8.05) is a two component – resin-hardener system, designed specifically for the repair of steel moulds and casting beds used in the Precast Concrete industry.

SPECIAL PROPERTIES

- Simple 2-part system. Economical and user friendly
- Provides a smooth and very strong surface to damaged moulds
- Extremely high resistance to impact
- Resistant to chemicals and compatible with all release agents once cured

USES

ROCKBOND MOULD REPAIR EPOXY (RB 8.05) is effective in a range of applications involving the repair of steel moulds.

- As a skim coat over the face of steel moulds with multiple indentations
- To repair damaged sections of steel moulds
- To smooth and repair any steel surfaces
- For vertical repair work product can be stiffened by adding Colloidal Silica

SURFACE PREPARATION

Thoroughly clean all surfaces and remove all rust, scale and corrosion products on the steel surface by abrasive blasting or wire brushing. Severely corroded steel should be cut back and replaced. All remnants of oil, dust, diesel or other surface contaminants should be totally removed. Preparation of steel surfaces must be done just before application of the epoxy.

MIXING INSTRUCTIONS

Add the entire contents of Hardener to the Resin and mix together with a mixer attached to a slow speed electric drill until fully blended. At this point product can be extended using Silica Flour (up to 1kg per 4kg Pack) or Colloidal Silica (up to 1 lt per 4kg pack). Colloidal Silica will stiffen product for use on vertical surfaces. Add extending agents once Resin and Hardener have been mixed and mix until an even consistency is reached.

APPLICATION PROCEDURE

Apply ROCKBOND MOULD REPAIR EPOXY (RB 8.05) to the prepared steel surface in a thin uniform layer using a trowel or spatula. For deep indentations extend with Silica Flour and apply with trowel or spatula.

CLEANING

Tools and equipment should be cleaned immediately after use with “MEK” solvent or “Esol” blended solvent.

PACKAGE SIZE

ROCKBOND MOULD REPAIR EPOXY (RB 8.05) is available in 1kg and 4kg packs.

HEALTH AND SAFETY

When handling or mixing Rockbond Epoxies use common sense safety practices to help prevent health problems. Refer to the Material Safety Data Sheets (MSDS) for detailed product safety information.

Avoid contact with food stuffs and utensils. Wear protective equipment (goggles, safety glasses, gloves, respirators, protective clothing etc.) appropriate for the job at hand.

Avoid contact with resin, hardeners, mixed epoxy and sanding dust from partially cured epoxy. Barrier creams provide added protection. If resin, hardener or mixed epoxy is got on skin, remove it as soon as possible using a lanolin-based water cleaner and not solvents. Avoid breathing concentrated vapours and sanding dust. Rockbond epoxies have low VOC's but vapours can build up in unvented spaces. Although epoxy quickly cures to a sandable state it may take over two weeks at room temperature or elevated temperature to cure completely. If the eyes or mouth are affected wash with clean water and obtain medical attention.

TECHNICAL DATA

Typical Physical Properties of Mould Repair Epoxy Resin:

SPECIFIC GRAVITY	1.15
VISCOSITY AT 25°C	900cps

Typical Physical Properties of Mould Repair Epoxy hardener:

SPECIFIC GRAVITY	0.94
VISCOSITY AT 25°C	70-80cps

Curing Characteristics:

MIX RATIO	1 Hardener: 4 Resin (by volume)
POTLIFE (20°C, 200 GMS)	45 Minutes
GEL-TIME IN THIN FILM AT 20°C	4 Hours

YIELD: A 4kg Pack when mixed yields 3.4ltrs of fluid epoxy.

TECHNICAL INFORMATION

Should you have any queries, or require further information, please contact our Technical Sales:

CONTACT DETAILS

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