

BUILDBOND RS-9

Epoxy based concrete bonding compound

DESCRIPTION : **BUILDPOXYRS-9** is a two two component epoxy resin system, comprising of pack 'A' White Resin and pack 'B' Black catalyst, supplied in pre-measured quantities. It is based on solvent free epoxy resins.

USES : For bonding of cementitious materials, for both vertical and horizontal surfaces. Also suitable for extensions and repairs to structural concrete in buildings, loading bays, prefabricated bridge segments, roads etc.

FEATURES

- ❖ Greater bond strength. Bond strength is more than the tensile strength of concrete.
- ❖ Gives excellent results in dry conditions.
- ❖ Suitable as a structural adhesive / bonding compound

APPLICATION

Surface preparation : Surface must be clean and free from loose particles, oils, grease or other contaminants. Concrete should preferably be thoroughly cleaned by wire brush or sand blasted. There should be no standing water on the surface before application of **BUILDBOND RS-9**.

Mixing : First stir pack 'B' thoroughly and slowly mix it to pack 'A' and mix with a low speed electric drill and paddle, for 2-3 minutes to achieve a smooth consistency. Thinner the layer greater the bond strength.

Apply the mixed material by spatula / trowel on the surface to be joined.

Hardened material should be removed mechanically.

TECHNICAL DATA

Colour of mixed material	:	Grey
Mixed density / cc	:	1.4 - 1.50
Mixing ratio	:	2:1 (Resin:Hardener) by weight
Pot life - 20°C	:	5-6 hours
- 30°C	:	2-3 hours
Hardening time	:	Approximately 8 hours
Curing time - 20°C	:	7 days
- 30°C	:	5 days
Thixotropy	;	The sagging of the mix of pack 'A' and pack 'B' in Dannel Guage is approximately 15mm in 190 minutes. .
Flexural strength (N/mm ²) (7 days)	:	> 30
Compressive strength(N/mm ²)	:	> 80
Shear strength-as per FIP N/mm ²	:	>20 (concrete failure)
Coverage	:	2.2 kg/m ² for approximately 500 micron thickness, depending upon surface smoothness.
Packing	:	6 kgs.(Two pack system) Bulk packings can be arranged of specific requirements.
Storage	:	12 months in unopened containers.
Health & safety	:	Handle with care - do not smoke while using BUILDBOND R-9