

BONDING AGENT



ACROPOXY - BA

Solventless Epoxy Based Bonding Agent



DESCRIPTION

ACROPOXY-BA is a two-pack system solvent free epoxy resin and fine fillers. These two packs are in pre-weighed quantities ready for on-site mixing and use. Pack A is a white base and Pack B is a black hardener. Colour of mixed material is smooth grey.

ADVANTAGES AND SPECIAL FEATURES

ACROPOXY-BA can be applied to both dry and wet surfaces.

- Far greater bond strength than the tensile strength of the concrete. Most suitable for structural bonding of new to existing concrete.
- Good positive adhesion.
- **ACROPOXY-BA** can also be used as a bonding agent for mortars, stone, steel, iron etc.
- Special slow set hardener is available on request.
- **Reliable** – Produced under strict quality control.

USES

It is mainly used to permanently bond freshly mixed mortar or concrete to hardened concrete, glazed bricks, tiles, steel or other structural materials. It is ideal for extensions and repair to concrete in factories, loading bays, bridges, roads, bonded floor toppings.

PROPERTIES

ACROPOXY-BA is available in normal setting and slow setting grades.

	NORMAL SETTING	SLOW SETTING
Colour of mixed material	Grey	Grey
Ration of A:B packs by wt.	2:1	2:1
Coloured of cured material	Grey	Grey
Curing at	15°C 20°C 30°C 35°C	20°C 30°C 35°C
Pot Life, mins.	80-90 40-50 20-25 10-15	300-360 150-210 120-150
Over Lay time, mins.	230 - 260 120 - 130 60-70 30-35	24 hrs. 10-12 hrs. 5-6 hrs.
Full Cure, days	9, 7, 5, 4,	7, 7, 5,

Acropoxy - BA

Compressive Strength	kg/cm ²	600
Flexural Strength	kg/cm ²	300
Tensile Strength	kg/cm ²	200
Shear Strength	kg/cm ²	250
Application Temp.	Minimum 5°C	
Adhesion to concrete	Failure always occur in concrete but never at the bond.	

Shelf Life

12 months if unopened.

Storage

Keep it in a cool place.

APPLICATION

SURFACE PREPARATION

Surface should be clean, and free of surface water, loose particles, oil, grease, mould oils or other foreign materials. New concrete should be mechanically abraded. Deeply contaminated concrete and metal should preferably be grit blasted. It is user's responsibility to check surface soundness using small hammer and to satisfy himself that the actual surface conditions of use are suitable.

MIXING

- Mix all base pack A with all the hardener Pack B thoroughly by hand or with a low speed electricity drill and paddle – a smooth grey coloured mix should result.
- Then apply a thin layer of **ACROPOXY-BA** with brush or roller to the existing surfaces to a uniform manner. Place new concrete or mortar not later than the specified overlay time or else till the applied surface with **ACROPOXY-BA** is tacky. If the "tacky stage" reaches earlier then apply a fresh coat before placing concrete or mortar.
- Clean the brushes and tools with "**Acro**" solvent based cleaner while adhered material is soft. If it is hard, remove it mechanically.

Consumption / Coverage Rate :

ACROPOXY-BA : 1.5m² to 5m² per kg. depending upon surface texture, porosity and working temperature.

PACKAGING

ACROPOXY-BA of normal setting is available in 1 Kg. (Pack A & B) and 4 Kg. (Pack A & B) packing. Slow setting can be supplied only on request in the above packing.



PACK - A



PACK - B



HEALTH & SAFETY

Inflammable. Do not smoke during use. Handle it carefully.

ADDITIONAL INFORMATION

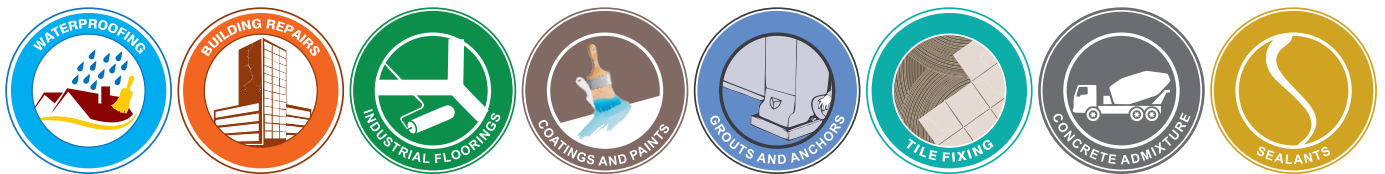
Our technical service team is available for on-site assistance and advice in using our all products. A very wide range of our products like water proofers, plasticiser, super plasticiser, accelerators, retarders, air entrainers, mould release agents, curing compounds, grouting products, anchor products, bonding agents and repair material is available for all round solution of civil/construction problems.

WARRANTY

Whilst all reasonable precaution has been considered in compiling technical data on our products, all recommendations or suggestions regarding the use of such products are made without guarantee since the conditions of use are beyond our control.



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