

DURA BUILD CARE PVT. LTD.



AN ISO 9001 : 2008 COMPANY

“Quality, Integrity Assured.”

DURAXYBOND

Solventless Epoxy Bonding Agent

Description:

DURAXYBOND is a two pack solventless epoxy system with Pack-A as white resin base and Pack-B as black hardener with pre measured quantities, easy for on site mixing and use. Mixed material as well as hardened material looks grey.

Uses:

DURAXYBOND is mainly used as structural adhesive/bonding agent to permanently bond freshly mixed mortar or concrete to hardened concrete, glazed bricks, tiles, steel or other structural materials. It is ideal for cantilever extension or expansion and repair to concrete in factories, loading bays, bridges, roads, bonded floor toppings.

Features:

- ❖ **DURAXYBOND** can be applied to both dry and wet surface.
- ❖ Normal and long pot life types available.
- ❖ Wood positive adhesion.
- ❖ Greater bond strength than the tensile strength of concrete.
- ❖ Most suitable as structural adhesive/bonding agent for mortar, stone steel and iron etc.
- ❖ Highly reliable quality-produced under strict quality control.

Application:

Surface preparation:

Surface should be clean and free from surface water, loose particles, oils, grease or other contaminants. 1 to 7 days old concrete should be mechanically abraded. Deeply contaminated concrete and metal should preferably be grit blasted.

Mixing:

Mix full white base **Pack-A** with full black hardener **Pack-B** thoroughly by hand or with a low speed electric drill and paddle type blade to a smooth grey colour. Apply the mixed material with brush in uniform coat. Place new concrete or mortar not later than the specified overlying time or else till the applied surface is tacky. If the tacky stage reaches, apply a further coat before placing concrete or mortar, clean the tools and brushes with solvent as recommended by us. Hardened material should be removed mechanically.

Technical Data:

DURAXYBOND	:	Normal Setting	Long Setting
Colour of mixed material	:	Grey	Grey
Ratio A: B packs by wt.	:	2: 1	2: 1
Colour of cured material	:	Grey	Grey
Pot Life at 30 ⁰ C	:	30 – 40 minutes	150 – 200 minutes
35 ⁰ C	:	20 – 30 minutes	120 – 150 minutes
Overlay time 30 ⁰ C	:	60 – 70 minutes	8 – 11 hours
35 ⁰ C	:	35 – 50 minutes	5 – 6 hours
Full cure at 30-35 ⁰ C	:	4 – 5 days	7 days
Compressive strength, kg/cm ²	:	600	600
Flexural Strength, kg/cm ²	:	300	300
Adhesion Strength, kg/cm ²	:	200	200
Application Temperature	:	5 ⁰ C	5 ⁰ C
Shelf Life	:	18 months if kept in original packing under shed.	
Storage	:	Keep it in a cool place	
Coverage	:	2.5 to 6 m ² per kg of mixed material	
Packing (A+B)	:	In 3 kg, 6 kg, 75 kg. & bulk in dual packs	
Health & Safety	:	Resin! Handle with care. Do not smoke while using it.	

IMPORTANT: Though the product may change with some code as suffix or addendum to the principal or original name out of some minor adjustment and fine tuning in the formulation due to our continuous research and development but shall exhibit the stated properties with more improvement.

WARRANTY: Our high potency products are manufactured under stringent National/International Quality Standard specifications and guaranteed against any manufacturing defect. Suggestions and recommendations are made here based on our most practical experience and exposure over 25 years in the field and are believed to be most appropriate and correct BUT no liability can be accepted by us, as the conditions of use of such products are beyond our control.

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