

BUILDBOND

High strength epoxy bonding compound

DESCRIPTION : BUILDBOND is a two pack epoxy resin system, comprising of Pack "A" (Resin) & Pack "B" (Catalyst), supplied in pre-measured quantities. Filler (quartz sand) can be added at the site depending upon site requirements.

STANDARD : BUILDBOND complies with ASTM C 881, Type II, Grade 2, Class B & C.

USES : BUILDBOND is used to permanently bond freshly mixed concrete or mortar, glazed bricks, tiles, steel or other structural materials to old sound concrete. It is ideal for cantilever extension or expansion and repair to concrete in factories, loading bays, bridges, roads etc.

FEATURES

- ❖ Greater bond strength.
- ❖ Suitable as a structural adhesive/bonding compound for mortars, renders, stone, steel, iron etc.
- ❖ Cures in both dry and wet conditions.

APPLICATION

Surface preparation : Surfaces should be clean and free from loose particles, oils, grease or other contaminants. Deeply contaminated concrete or metal should preferably be thoroughly cleaned by wire brush or grit blasted.

Mixing : Mix full quantity of pack "A" with full quantity of Pack "B" and stir thoroughly preferably with a low speed electric drill and paddle, to achieve a smooth grey colour. Apply the mixed material by brush. Place new concrete or mortar while it is still tacky. If the tacky stage passes, apply a further coat before placing concrete or mortar. Hardened material should be removed mechanically.

TECHNICAL DATA

Colour of mixed material	:	Grey
Mixed density	:	1.50 – 1.55 kg. / ltr.
Bond strength(N/mm ²)	:	> 11
Pot life at 30°C	:	50 minutes
35°C	:	40 minutes
Full cure at 30° - 35° C	:	4-5 days
Compressive strength N/mm ²	:	60
Flexural strength, N/mm ²	:	20
Adhesion strength, N/mm ²	:	20
Shelf life	:	12 months in unopened containers
Storage	:	Keep in a cool place
Coverage	:	Approximately 2 - 5 sq.mtr. per kg. of mixed material
Packing	:	15 kgs, 30 kgs & 60 kgs. (pre-measured quantities of Pack A & B)
Health and safety	:	Handle with care – do not smoke while using BUILDBOND