NTA EPA BOND

PRODUCT DESCRIPTION:

- NTA EP BOND has also been widely used to promote adhesion between new and old concrete.
- It consists of a resin and hardener which are unaffected by cold, damp, frost and many chemicals and acids.

ADVANTAGES:

- Two component pre-packed units ready for use.
- Handy size, easily stored.
- Impervious.
- Can be applied on damp surface. Saves time in complete surface drying.
- Can also be applied to any exposed steel reinforcement or structures.
- Used in bonding of old concrete to new concrete
- Holds the concrete tightly due to interaction polymerization.
- As the concrete cures, the bond strength increases.
- No hacking is required before plaster application.
- Excellent interfacial bonding between old and new concrete.
- Excellent bonding between masonry and subsequent layer of plasters.
- Non-ionic, hence no possibility of attack on concrete by chlorides, alkalis, sulphates, etc.
- It does not have any corroding or deteriorating effect on the reinforcement steel.
- The bond between steel and concrete is also preserved by MASTERBOND HACK AID.

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APPLICATIONS:

- Bonding old to new concrete – improved adhesion over normal concrete/concrete bond.
- Bond between concrete and ceramic.
- Bond between concrete and plaster.

PREPARATION:

- The hardened concrete should be clean, dry and free from surface contaimination. Best results are obtained by exposing the aggregate using a scrapper or angle grinder.
- All dust, thus, produced should be removed by brushing thoroughly and it is preferable to use an industrial vacuum cleaner, if available.
- Mix together one container of resin with one container of hardener. Use knife or flat piece of wood and stir thoroughly until completely mixed. Apply as described below.

METHOD OF APPLICATION:

- Apply the NTA EP Bond , mixed as above to the prepared surfaces with a nylon bristle brush, working well into the surface to ensure complete wetting.
- The freshly prepared concrete or Epoxy Mortar or ESM should be applied while the tack coat is tacky or else satisfactory adhesion will not be obtained. Conventional concrete repairs should be allowed to dry for a minimum of seven days and Epoxy Mortar should be treated as recommended in the data sheet.

NTA EP BOND (EPOXY BOND COAT):

Color	Brownish Liquid
Mixing Ratio (Resin : Hardener)	2 : 1 By Volume
Drying Time @ 30°C Surface Dry	1 to 2 hours
Hard Dry	6 – 8 hours
Pot Life	2 – 3 hours
Flash Point	Above 30°° C

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COVERAGE ESTIMATES:

Pack Size	Coverage
7.5 Kg	Approximate
Part A 5 Kg Part B 2.5 Kg	20-25 sq m per coat

PHYSICAL PROPERTIES:

NTA EP BOND	@27 +- 1*C
Working Time	20 Mins
Walkability	Approximate 8 hours

CLEANING OF TOOLS:

- All tools and mixing vessels should be cleaned immediately after use with thinner only.

STORAGE:

- Store in a cool dry place away from direct sunlight.

PRECAUTIONS:

·Remove all the resin and hardener from containers as far as possible and ensure that materials are fully mixed.
·Inadequate mixing will lead to soft uncured patches which will peel off.
·Make sure that surfaces are properly prepared, as detailed above. Neglect of surface preparation can lead to failure.
·Do not apply on very wet surfaces.
·Do not add water, thinners or any other materials not included in the pack.
·Do not attempt to split packs.
·Do not apply on fresh concrete.
·Inflamable hence do not smoke work in a well ventilated area do not use near open flames, lights etc.

PACKING:

- Pre-packed unit pair of 1 Kg , 7.5 Kg available.