



BOND GUARD EPOX

EPOXY BONDING AGENT (NEW TO OLD)

DESCRIPTION:

BOND GUARD- EPOX is an epoxy based bonding agent for new to old. it provides a strong alkali and water resistance. **BOND GUARD- EPOX** has long tack free time of 120 minutes. This would give ample of time to lay concrete or mortar.

AREAS OF APPLICATION:

- For concrete repairs – spalled concrete of floors, columns, beams, chhajja, slabs, parapets etc.
- Repairs using cement plaster / guniting.
- As a bond coat – for bonding of new concrete to old concrete.

ADVANTAGES:

- Excellent adhesion to most building substrates.
- Improves flexural, tensile.
- Reduces chloride penetration.
- Improves bond strength with steel.
- Long tack free time of 120 minutes.

APPROVALS / STANDARDS:

- Confirms to the **ASTM C-881 TYPE – II GRADE – 2 CLASS C**

DIRECTION FOR USE:

- Surface preparation is vital for effective adhesion and bonding of **BOND GUARD EPOX**. To start with free the surface from laitance, loose dust particles, oil, grease, and other dirt. Sand blast is recommended.
- Mix **BOND GUARD EPOX** in 2:1 proportion and apply on clean and sound substrate.
- Apply **BOND GUARD EPOX** on tacky surface to have better adhesion.

PRODUCT INFORMATION:

Base	Epoxy (Two Component)
Appearance	Brownish
Coverage	2.7 – 3.7 m ² / kg depending upon surface
Mix proportion (by weight)	Base : Hardener 2:1
Application	By brush after thorough surface preparation
Shelf Life	1 year in tightly sealed container
Packaging	30 kg (part A – 20 kg and part B – 10 kg)
Cleaning	Thinner

Constro Chem India Pvt. Ltd.

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TECHNICAL DATA:

SR NO	Test parameter	TEST METHOD	TEST RESULT	MEASUREMENT UNIT
1	Slant Shear Strength / Bond Strength	ASTM C 882	16	N /mm ²
2	Compressive strength (at 7 days)	ASTM C 881 / ASTM D 695	55	N /mm ²
3	Tensile Strength	ASTM D 638	18	N /mm ²
4	Elongation at Break	ASTM D 638	3%	%

Packaging:

Part A	20kg
Part B	10kg

STORAGE AND SELF LIFE:

Store away from direct sunlight. 12 months from date of manufacture

SAFETY PRECAUTIONS:

However, any splashes on any part of the human body must be washed with plenty of water and seek medical advice.

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