



ADH-EXPON

High strength epoxy bonding for joint sealing system

Description

ADH-EXPON is a high strength thixotropic adhesive used in construction joint sealing system. It is two component epoxy modified which consists of part A base and part B hardener. Mix two components thoroughly in given proportion and apply on prepared surface. It can also be used in repairing system like bedding mortar, non-sag concrete repair mortar.

Uses

- Tunnels and culverts
- Hydroelectric power plants
- Sewage treatment plants
- Roof joints
- Basements
- Water retaining structures
- Joints between rigid and flexible surfaces
- Around iron, steel and cement pipes
- Repairing surface defects in concrete in horizontal, vertical and overhead applications
- Fining of injection ports for Master Inject resins
- Bonding of dowels, bolts and anchors into concrete
- Rapid structural repair of concrete
- Repair of concrete posts in situ

Advantages

- Ease in site mixing
- Low VOC makes it eco friendly
- Ease in application & High resistance to chemical resistance
- Highly adhesive to W-EXPON belt
- High resistance to aggressive environment
- Highly durable
- Wide range of application
- Adheres to concrete surfaces allows rapid repair of concrete

Standard Compliance

- ASTM C881 Type 1 Grade 3 Class B & C

Technical Information

Properties	Results
Mixed color	Grey paste
Application Temperature	15°C to 35°C
Mixed Density	1.83 to 1.87 gm/cc
Setting time	12 hours
Compressive Strength N/mm ²	>40 @1 day >60 @7 days
Flexural Strength N/mm ²	>20 @ 7 days
Tensile Strength N/mm ²	2 (at 1.5 mm thickness)
Pot life in minute	50 @25°C
Bond Strength N/mm ²	>2 @28days

Method of Application

- Clean all the surface which is to be treated from dust, oil, laitance and cut back concrete to sound substrate.
- Remove all type of curing compound, waterproofing membrane from conventional concrete surface.
- Prime the surface if necessary with BUTABOND SBR mixed with cement. Priming the surface with BUTABOND SBR before application will provide better adhesion to the substrate and increase durability of the system.
- Mix the pack of part A and part B properly which is supplied in pre weight quantity.
- Apply the mix evenly with the help of trowel or spatula on the prepared surface.
- Subsequent coats should be placed within 30-45 minutes and the ADH-EXPON should still be tacky.
- Recoating time should be kept at least 8 hours.

Curing

- Cure time will depend on ambient condition generally cures in 7 days @ 23°C.

Coverage

- 2 kg/m² @1mm thickness.

Packaging

- It is supplied in 6 kg kit.

Storage

- Minimum of 12 months shelf-life if kept under room temperature (i.e. 27°C).

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