

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/Characteristics:

- 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

Product Standard Compliance:

ASTM C881 Type 1 Grade 3 Class B & C

Company Standard Compliance:



Technical Information:

Properties	Specification
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

Application Procedure:

Surface Preparation:

- 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.

Priming:

- 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.
- Mixing:
- Mix the pack of part A and part B properly which is supplied in pre weight quantity.

Application:

- 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:





ADH-EXPON is supplied in 6 kg kit.




Storage & Shelf-life:

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

Health & Safety:

Specific care and attention should be paid to handling and storage of this product for more information please prefer product safety data sheet.

	It is the practice of increasing efficiency with which buildings use resources- energy, water and materials-while reducing building impacts on human health and the environment.
	ISO 45001 is the world's international standard for occupational health and safety, issued to protect employees and visitors from work-related accidents and diseases.
	ISO 9001:2015 is a globally recognized standard for quality management systems (QMS). It helps organizations of all sizes and sectors to: Improve performance, Meet customer expectations, Demonstrate commitment to quality, and Identify and improve processes that lack consistency.
	ISO 14001 is the internationally recognized standard for environmental management systems (EMS). It provides a framework for organizations to design and implement an EMS, and continually improve their environmental performance

	This symbol is used to identify Redwop products which give off a low level of volatile organic compounds(VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.
	Our Commitment To The Environment Redwop products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.
	ISO/IEC 17025 enables laboratories to demonstrate that they operate competently and generate valid results, thereby promoting confidence in their work both nationally and around the world.

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