

JAZEBOND- EPNS

2-Component, Solvent-free, Non-sag, Chemical & Water-Resistant Epoxy Resin-base Bonding Agent

Product Description

JAZEBOND – EP NS is 2-component, solvent-free (100 % solid), non-sag, impervious, abrasion resistant, chemical & water-resistant epoxy resin-based bonding agent. It is supplied in two-component that after mixing will produce smooth & non-sag, paste-like consistency which is easy to be applied upon vertical and horizontal (Wall & floor) applications. The cured material is non-toxic, waterproofing and easily cleaned

Uses

JAZEBOND- EPNS is formulated to be used as a high modulus multi-purpose non-sag bonding agent for horizontal and vertical & overhead surfaces. It provides a permanent bond greater than the tensile strength of the surrounding concrete. So, it is suitable for many applications such as:

- Bonding sectional concrete bridges providing water resistant joints.
- Blow holes filling on concrete surfaces.
- Thin film bonding in concrete repairing.
- General bonding & leveling compound for concrete, mortars, stones, renders ceramic tiles, steel, aluminum, polyester, etc.
- As structural bonding agent for precast concrete.
- Crack and surface sealing.
- Bonding carbon fibers to concrete surfaces.
- Multipurpose bonding agent.

Advantages

- Easy to mix and to apply.
- Solvent-free, 100 % solid.
- Chemical resistance to acid, alkalis
- Excellent abrasion resistance.
- Non-sag.
- Can be applied on damp surfaces.
- Waterproofing & durable
- Hardens without shrinkage.
- Easy to be cleaned.
- High strength permanent bond between two structurally sounded materials.
- For horizontal & vertical applications (walls & floors) and interior or exterior use.
- Formulated for the Middle East Climates.
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Standards

JAZEBOND – EPNS is formulated to comply with all requirements of ASTM C-881; "Epoxy Resin - Base Bonding Systems for Concrete" Type V, Grade 3, Class B & C



Technical Properties

Appearance	Smooth, non-sag grey consistency (mixed materials)
Specific Gravity @20 °C	1.1 ± 0.05
Pot-life @ 20 °C	90-minutes
Open Time @ 20 °C	90-minutes
Water Absorption (ASTM D-570)	0.30 % (by weight)
Compressive Strength (ASTM C-597)	90 N / mm ² .
Tensile Strength (ASTM C-638)	28 N / mm ² .
Bond Strength (ASTM C- 882)	>3 N / mm ²
Chemical Resistance	Very good.
Flexural strength (ASTM D-790)	45 N / mm ²

Guide for Applications

Surface Preparation

All surfaces shall be clean free from dust, grease & oils or other materials may make any de-bonding. Metal substrates shall be free from scale or rust.

Mixing

Stir well each component well before use.

Pour all Component B: curing agent into component A: resin and mix well until homogenous consistency is achieved.

Application

The mixed materials shall be applied directly onto the prepared substrate by suitable trowel or spreader. The surface of adhesive shall be lightly scratched immediately prior to closing the joints to exposed fresh adhesive.

After about 30 – 40 minutes and / or during the open time, clean the excess grout with sponge and then clean with warm water.

Packaging

JAZEBOND-EPNS is supplied in two components; 5-Liter or 20-Liter kits.

Storage

JAZEBOND – EPNS shall be stored in normal conditions away from any extreme temperatures. Shelf-life is 24 months if stored properly in well-closed containers.

Health & Safety

- JAZEBOND - EPNS is non-toxic, non-hazardous during handling, storage and use.
- For Ecology: Do not dispose directly to water or soil. Mix Component A with Component B, to hardening, then bury in landfill in accordance with the local regulations.
- Splashes on skin will be washed with water and soap.

JCC CONSTRUCTION CHEMICALS

The information herein is general information to assist our customers in determining whether our products are suitable for their specific applications. Our products are intended for sale to commercial and industrial customers. We require that customers should inspect and test our products before use to satisfy themselves as to the content and suitability for the application they intend to use our products for.

JCC endeavors to ensure that any advice, recommendation, specification of information in accurate and correct manner.