

BestBond EP752

Epoxy Adhesive for bonding new to old concrete, two components

Description:	BestBond EP752 is two part epoxy bonding agent for new to old concrete. BestBond EP752 is designed by special formulation of epoxy resins, selected mineral aggregates and modified additives with high bonding strength.
Recommended for:	Bonding new concrete, mortar or cement base grout to substrates such as: <ul style="list-style-type: none"> • Old concrete (hardened concrete). • Granite, tiles... • Structure steel bars... • Anchors, steel plates...
Advantages:	<ul style="list-style-type: none"> • High bonding strength, high mechanical strength. • Easy to apply. • Environment friendly. • Non solvent, non odor, non toxic.

Technical data:

Package:	1; 5 kg/ set
Storage:	12 months from manufactured date in unopened pail, cool and dry places (0°C ÷ 35°C)
Color:	Natural grey
Density:	Part A: 1.70 kg/dm ³ (25°C) Part B: 1.03 kg/dm ³ (25°C) Part A+B: 1.37 kg/dm ³ (25°C)
Solid content:	≥ 100%
Application temperature:	Minimum temperature: + 15°C Maximum temperature: + 35°C
Service temperature:	Minimum temperature: - 25°C Maximum temperature: +200°C
Chemical resistance:	Resistance to oils, greases, alkaline solutions, acid solutions, sea water, salt solution, anti frost salt...
Mixing ratio:	Part A: Part B = 1:1 (by weight)

Pot life:

Ambient temperature	+20°C	+25°C	+30°C	+35°C
Pot life (Minutes)	90	80	60	45

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Mechanical properties (Curing at 07 days):

Compressive strength:	≥ 75 MPa
Flexible strength:	≥ 30 Mpa
Tensile strength:	≥ 20 MPa
Bonding strength to concrete:	> Concrete tensile strength (concrete fail).
Bonding strength to steel:	18 - 20 Mpa (at 07 days @ 30°C, RH # 65%).

Application:**Surface preparation:**

Correct substrate preparation is critical for optimum performance. Surfaces should be structurally sound, clean, and free from loose particles, oil, grease, or any other contaminants. Remove oil grease and wax contaminants by scrubbing with industrial grade detergent or degreasing compounds followed by mechanical cleaning. Cement laitance, loose particles, mould release agent, curing membrane, other contaminants must be removed from the surface by shot blasting, scarifying or grit blasting followed by vacuum cleaning. In case of steel surfaces remove grease and oil with suitable industrial grade cleaning and degreasing compounds. Remove rust and mill scale by grit blasting. Blast steel to white metal followed by vacuuming or blowing clean using oil-free, dry air. If totally dry surface is impossible to achieve, blow clean any free water from the surface using oil-free air blast.

Mixing:

Mechanical mixing is necessary. A slow speed (300 ÷ 400 rpm) drill with a grout stirrer is recommended. Ideally, the entire contents of both Part A and Part B containers should be mixed together to avoid batching errors. However, if part mixing is necessary, stir each component individually and then measure out precisely each component in the simple ratio of A:B = 1:1 by weight into a clean, dry pail for subsequent mixing. Ensure that the leftover in each container is not contaminated. Mix A&B together until the streaks of black & white disappears to yield a homogeneous grey mixture. Mix only quantities that can be consumed within the pot life of the product to avoid wastage.

Placing:

Apply BestBond EP752 on the surface of substrate by brush or pressure sprayer with spread of 1.0 kg/m². New concrete, mortar or cement base grout should be poured immediately on the wet BestBond EP752 layer (within its pot life)

Cleaning:

Clean the tools and equipment first with rags, then wipe off using a solvent such as acetone, xylene or toluene before product hardening.

Precautions:

Product contains certain chemicals which can cause skin irritation if exposed and respiratory reaction if inhaled. Wear gloves, mask and use barrier creams while handling the product. Wash thoroughly after handling. Should skin contact occur wash immediately with soap and water, or an effective hand cleaner. In case of accidental eye contact, wash with copious quantity of water and seek medical help immediately. If ingested, do not induce vomiting, consult doctor immediately. The vapors of solvents used for cleaning can be irritating. It is therefore recommended that cleaning is done in a well ventilated area.

Disclaimer:

The technical information and application instruction in documents of BESTMIX based on BESTMIX's current knowledge and practical experience. The information here only describes the general nature of product, so users should test the product for each purpose. BESTMIX has the right to change features of our product, user must always refer the latest technology product.