

BestGrout E80

Non-shrinkage epoxy grout, high strength, three components

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PHỤ GIA & HÓA CHẤT XÂY DỰNG BESTMIX® CONSTRUCTION CHEMICALS & ADMIXTURES
 PHỤ GIA BÉ TÔNG, XI MÁNG - HÓA CHẤT CHỐNG THẤM - VỮA RỘT RỠT KHÔNG CO NGÓT - NÉN SÀN - KẾT NỐI - TRÁM BÍT - SỬA CHỮA - BẢO VỆ - HOÀN THIÊN ★ CEMENT AID - CONCRETE ADMIXTURE - WATERPROOFING - GROUTING - FLOORING - BONDING - SEALING - REPAIRING - PROTECTING - FINISHING

Description: BestGrout E80 is a high compressive strength, non-shrinkage epoxy grout, low viscosity, three components and solvent free.

BestGrout E80 is combined between epoxy natural resins, private admixtures and inert silicate selected especially. When applying, just mix the ingredients in a predetermined proportion.

- Recommended for:**
- Repair the concrete surface, filling holes.
 - Filling the couplings bearing in the assembly structures, precast concrete,...
 - Positioning bolts, anchoring machine foundation, rail pads, filling the baseplate ...
 - In the case of tinting, BestGrout E80 is used as a floor finish for the purpose of load bearing, chemical resistance, abrasion resistance, mechanical impact resistance...

- Advantages :**
- High compressive strength, fast-growing.
 - Non-shrinkage, non-crack.
 - Excellent workability, flow ability.
 - Bonding well with clean surfaces
 - Chemical resistance, abrasion resistance,...
 - Friendly environment

PRODUCT DATA:

Package:	32.5 kg/set (# 15.5 liter/ set) or as requested.
Shelf life:	12 months from date of manufacture, materials are sealed and stored in a cool place, and dry.
Color :	Natural grey (other special colors on requested).
Specific gravity:	2.1 ± 0.05 kg/liter (25°C) (depend on color)
Solid content:	100 %
Size aggregate:	0 ÷ 2.5 mm
Application temperature:	Minimum: 10°C (but above dew point temperature of 5°C) Maximum: 35°C Relative humidity: 80%
Mixing ratio:	A/B/C =2.5/1.0/16.0 (by weight)

TECHNICAL DATA:

Pot life:	Ambient temperature	+20°C	+25°C	+30°C	+35°C
	Pot-life (Minute)	60	45	30	15

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Physical properties: (sample @7 days curing, 30°C)

Compressive strength ^(*) (MPa)	≥ 80	Flexural strength ^(**) (MPa)	≥ 35
Bonding strength ^(***) (MPa)	≥ 1.5 (concrete failed)	Flow-ability ^(****) (mm)	≥ 200

(*): Test method: ASTM C579

(**): Test method: ASTM C348

(***): Test method: ASTM D4541

(****): Test method: ASTM C230

Chemical resistance: No blistering after immersing for 7 days in basic chemical solutions such as water, fuel, 10% NaCl, 10% CH₃COOH, 10% H₂SO₄, 10% NaOH, 10% CH₃OH, ...

APPLICATION:

Surface condition:	The surface should be solidified and dry (the moisture is not more than 4%). Grease, dirt, rust, cement droppings ... must be completely removed.
Preparation for application:	The slits or holes which are capable of sealing leaks must be sealed with the appropriate material. In the case of using the formworks and the surface in direct contact with the material should be isolated in PE layer in order to create favorable conditions to take off formworks later.
Mixing:	Before application, two components A and B must be mixed thoroughly and continue to component C in accordance with the ratio of stirrer speed 300-400 rounds/min. Mixing time is about 03 minutes or longer until homogeneous.
Placing:	After mixing, use a steel trowel to stir lightly for a few seconds to release air bubbles. Then, the mixture is poured immediately into the prepared position to maintain the pressure necessary to avoid air entrapment in the mixture. Note: Do not use material over time to allow application.
Cleaning:	Use a dry cloth to clean the instruments, and equipment and wash again with BestThinner SB-001 before the mixture starts hardening.
Safety:	All three components are neither hazardous nor flammable. However, minimum safety requirements must be met when using the product.

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.*