



2016 Version

BestGrout EP756

Non-shrinkage epoxy grout, high strength, two components

Description:

BestGrout EP756 is a high compressive strength, non-shrinkage epoxy grout, low viscosity, two components and solvent free.

BestGrout EP756 is combined between epoxy natural resins, private admixtures and inert silicate selected especially. When applying, just mix the ingredients in a predetermined proportion.

Uses:

- ✓ 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 code column ...

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.

SPECIFICATION

Package:	25; 31.5 kg/set
Shelf life:	12 months from date of manufacture, materials are sealed and stored in cool place, and dry.
Color :	Natural grey (other special colors on requested)
Specific gravity:	2.0 ± 0.1 kg/liter (25°C) (depend on color)
Solid content:	100 %
Size aggregate:	0 ÷ 0.71 mm
Application temperature:	Minimum: + 10°C (but above dew point temperature of 5°C) Maximum: + 35°C; humidity: 80%
Resistant chemical:	Resistance of water, solvent, grease, oil, fuel, acid solution,...
Mixing ratio:	See on the label.

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Pot-life

Ambient temperature	+20°C	+25°C	+30°C	+35°C
Pot-life (Minute)	80	55	30	15

Physical properties: (curing at 30°C)

Compressive strength* (MPa)	≥ 85	Flexural strength** (MPa)	≥ 35
Tensile strength ** (MPa)	≥ 30	Bonding strength*** (MPa)	(concrete failed)
Flow ability**** (mm.)	≥ 150	Elongation (%)	≥ 0.2

(*): Test method: ASTM C942

(**): Test method: ASTM C349

(***): Test method: ASTM D4541

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

Time	H ₂ O	10% NaCl	10% CH ₃ COOH	10% H ₂ SO ₄	10% NaOH	10% CH ₃ OH
01 day	0.02	0.02	0.70	0.10	0.02	2.05
04 days	0.06	0.04	1.50	0.15	0.05	3.17
07 days	0.08	0.05	1.85	0.25	0.06	4.20

INSTALLATION

Surface condition: Material surface should be solidify 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 material should be isolated in PE layer in order to create a favorable conditions to take off formworks later.

Mixing: Components A and B must be mixed thoroughly and continue with component C in the right ratio, the stirrer speed 300÷400 rounds/ min. Mixing time is about 05 minutes or longer until homogeneous.

Placing: After mixing, using an iron peel to stir lightly a few seconds to get air bubbles. Then, the mixture is poured immediately into the prepared position to maintain the pressure necessary to avoid air entrapment in the mixture.

BestGrout EP756 is self-curing within 07 days at the normal temperature (20÷40°C). If the ambient temperature is lower than 10°C, self-curing time will be longer. If put into operation soon, must conduct air heated to raise the temperature.

Note:

Do not use material with over time to allow application.

In case of using the formworks, do not let materials in direct contact with the formwork surface, and must be isolated in PVC or PE layer.

Cleaning: Use a dry cloth to clean the instruments, equipment and wash again with BestThinner SC-01 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 are 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 the features of our product, user must always refer the latest technology product.