



PolyGrout IP

Single Component Injection Pressure Grout For Cement / Mortar / Concrete

DESCRIPTION

PolyGrout IP is a plasticized and non shrink cement / mortar admixture for pressure / injection grouting. By introducing into the cementitious grout, it reduces water cement ratio and facilitates volume expansion without segregation or bleeding. It may also be used to get water tight dense structures. It complies with BS 8110 PART I, 1985 SECTION 8.9.4.6.

TECHNICAL DATA

Compressive Strength 50 mm cube, kg/cm ²	Increases due to reduced water cement ratio	Setting Time	Does not effect
		Chloride Content	Nil
Expansion	1 to 4% unrestrained expansion to compensate for plastic shrinkage of cement. Time for expansion will be 15 minutes to 2 hours depending on temperature		

APPLICATION

- Water tank pressure grouting
- Pre stressed cable duct grouting
- Bed grouting
- Flat as well as slopping roof
- Tunnel linings
- Non shrink infilling and joints at RCC Hume pipes
- Stationery machine foundation grouting

ADVANTAGES

- Gaseous expansion to compensate plastic shrinkage of cement
- Reduced water cement ratio to ensure low permeability and increased cohesion
- Hydrophobic additives give water tight structure
- Does not attack reinforcement or prestress cables
- Chloride free



APPLICATION METHODOLOGY

- Add PolyGrout IP at 1% by weight of cement for neat cement or 2% by weight of cement in case of concrete / mortar.
- For some special case, a higher dosage may be used in consultation with POLYGON'S technical team.
- Over dosing increases expansion and causes frothing.
- PolyGrout IP is compatible with all kinds of Portland cement including SRC (Sulphate Resistant Cement) but it is incompatible with high alumina cement. It is strongly recommended not to use PolyGrout IP with cement having high alumina content.

HEALTH & SAFETY

- Use goggles and hand gloves during application
- Clean hands with warm soap water after application
- Avoid contact with skin/eyes. In case of unlikely contact with eyes, rinse immediately with plenty of clean water, then cleanse with soap and lukewarm water and seek medical advice.
- Do not use solvent to clean the contacted area.
- Prevent swallowing. In case of unlikely swallowing, seek medical attention immediately. Do not induce vomiting.

PACKAGING

Available 25 kg bag.

STORAGE

Must be stored in original packing, in ambient temperature, dry place under shed. Protect from direct sunlight.

SHELF LIFE

9 months in original sealed condition under appropriate storing conditions.