



STANDARD SET

IG 65

Free Flow Non-Shrink High Strength Industrial Grout



Product Description

IG 65 is premixed cementitious, free—flow, non—shrink, high strength, industrial precision grout which is essential to withstand static and dynamic loads. It is a unique product designed to give positive expansion in the plastic and hardened states, producing a low porosity, high durable material. It is carefully designed with fine blended Portland cement, graded sand and other additives for controlled expansion in the plastic state with low water mixing requirement to minimize segregation and deliver high early strength & long—lasting durability.

Special Features & Standard Followed

- ASTM C 109 / ASTM C 230 / ASTM 109
- Excellent fluidity and achieve quick strength
- Can flow through narrow sections
- Two stage expanding engineering grout
- Resistant to chemicals, gases etc.
- Non—flammable, Non corrosive and Non toxic
- Gaseous expansion system compensates for shrinkage and settlement in the plastic state
- Easy to remove parts of structure & self—compacting
- High coverage and economical

Application

- Suitable for various engineering precision grouting
Suitable for grouting of machinery base plates & foundations
- Grouting of structural column's foundations, masts & fence posts
- To grout voids, cavities and gaps in concrete
- Grouting of anchor bolts, various fixings and general purpose grouting in concrete
- The general purpose grouting of narrow cracks between concrete and metal surfaces

Suitable Substrates

- Machinery base plates
- Bearing foundations
- Turbines & compressors base plates
- Structural columns & power line stanchions concrete road & structure
- Pump & other accessories bases
- Crane tracks, rail posts, dowels and sealing bolts
- Boiler pumps foundation & anchor
- bolts Precast structural membrane joints
Windows & Doors hole—pars

Technical Properties

Testing Parameters	Result
Appearance	Grey Coloured Powder
Mixing Ratio (25 kg bag)	4 - 4.5 litre of water
Pot Life	20 to 25 minutes
Density of Mixture	2.18 gm/cc
Final Setting Time	4 - 5 hour
Compressive Strength (After 28 days)	65 N / mm ²
Flexural Strength (28 days)	9 N / mm ²
Tensile Adhesion Strength (28 days)	2.90 N / mm ²
Expansion (%)	< 4 %

Coverage

Approx. 12 - 14 sq. ft. / 25 kg bag mix at 12.5 mm bed thickness

Packing

25 Kg

Shelf Life

Factory sealed packs are best before 12 months from the date of manufacturing in unopened condition and stored in cool & dry area.