

GROUT GUARD

(Non-shrink expanding cementitious grout)

DESCRIPTION:

Grout Guard is a one part, pre – mixed cement based flowable, two stage expanding grout with selected aggregate. Grout Guard is used as a machine foundation grout for high strength non shrink grouting to maintain levelling of the Machines.

AREAS OF APPLICATION:

- To grout bearings, machine foundations, columns joints in precast construction etc.
- To grout anchoring bolts in concrete
- To grout tie – rod holes of Aluminium Formwork concreting, gaps and voids in concrete Warehouses.

ADVANTAGES:

- Dual expansion system compensates for shrinkage and settlement in the plastic state.
- Pre-packed material overcomes onsite batching variations.
- Develops high early strength without the use of chlorides.
- High ultimate strength ensures the durability of the hardened grout.
- Free flow ensures high level of contact with load bearing area.
- Expands by gas generation whilst in the plastic state of curing Impact- and vibration resistant Increased resistance to oils and grease.

TYPICAL PROPERTIES:

- Nature: Cementitious grey powder
- Compressive strength: At 0.14 W/G ratio @ 30°C
- Special attributes: Grout Guard is a high strength precision grouting material.

WATER POWDER MIXING RATIO:

3.7- 4 litre / 25 kg of bag



TECHNICAL DATA:

Parameters	Test @ Day	Test Result
Compressive Strength (ASTM C 109)	3	35 N/mm ²
	7	50 N/mm ²
	28	75 N/mm ²
Flexural Strength	28	10 N/mm ²
Tensile Strength	28	4 N/mm ²
Tensile Strength	28	22 N/mm ²

PACKAGING:

25 Kg in moisture resistant bag

STORAGE & SHELF LIFE:

12 months from manufacture in original unopened bags if stored in dry conditions.

SAFETY PRECAUTIONS:

Grout Guard is a cementitious alkali product. Care should be taken to avoid contact with eyes, skin, mouth and food stuff. Any splashes on the human body must be washed with plenty of water.

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