

MIXGROUT NS

High Flow Cementitious Non-shrink grout system



Introduction

Mixgrout NS is a premixed cementitious non-shrink grouting system specially formulated to produce a high performance, pourable grout with high strength and slightly expansive properties. It is a blend of Portland cement, graded fillers and chemical additives, which impart controlled expansion in the plastic, state which whilst minimizing water consumption.



Appropriation

- Repair of pre-cast concrete
- Floor repairs and toppings
- Heavy equipment and machinery foundations
- Bedding bearing plates and grouting
- Pre fabricated unit joints and cable grouting
- For anchoring of holding down bolts hooks etc.

Characteristics

- Adjustable consistency & free flowing shrinkage compensated
- Excellent bond strength & High strength characteristics for rapid result
- Impact resistance & non shrink property of the grout provides maximum contact with bearing surface
- Can be used up to 80mm thickness between plate and foundation
- Watertight and withstands chemically aggressive agents
- Non-shrink property of the grout provides maximum contact with bearing surface

Compressive and Flexural Strength

Days	Compressive Strength		Flexural Strength
	Flowable (N/mm ²)	Fluid (N/mm ²)	Fluid (N/mm ²)
1 day	40.0	20.0	4.0
3days	58.0	35.0	6.0
7days	68.0	45.0	8.0
28days	80.0	60.0	9.0

Product Management

Surface preparation: The surface should be clean, free of dust or de-moulding agents, oil, paint etc. Clean the area to be grouted with water 24 hours prior to grouting. The surface should be damp, but strictly free of standing water. The bolt holes and other areas should be water free; the formworks should be leak proof

Mixing: Mix the powder with measured quantity of water (5 to 6 litres water for 25kg powder). A minimum of 5 minutes to obtain a smooth, uniform lump free consistency. Pour the grout continuously to avoid air pockets. For a thick consistency 4 to 5 litres of water is to be used. For dry packs 2.5 to 3 litres of water is sufficient

Cleaning: Tools should be cleaned with water after use

Technical Data and Properties

Standard Confirms to	ASTM C579, ASTM C 580, BSEN 12390
Color and Appearance	Grey Powder
Density	2.20 (Fluid Consistency)
Setting time:	Initial: 4 hours@25°C Final: 8 hours@25°C

Typical Water Requirement Table

Application	Consistency	Flow Table	Flow Cone	Water (ltr)/25kg	
				Min	Max
Grouting Machinery	Fluid	-	20-30	4.5	5
Grouting Machinery	Flowable	130	-	3.5	4
Bedding Precast	Plastic	60	-	3.0	3.5
Filling bar voids	Dry-Pack	-	-	2.0	2.5



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the construction chemist...

Packing & Storage

MIXGROUT NS is available in 25 kg bags. For site installations or mass consumptions, deliveries shall be made in bulk custom-designed containers. MIXGROUT NS should be stored in cool, dry and shaded warehouses. Shelf life is 12 months when stored under cover, out of direct sunlight, protected from extreme temperatures and as per recommendations. In extreme tropical climate, the product must be stored in cooled ambience. Excessive humidity and over exposure to UV will result in the reduction of shelf life

Health & Safety

Mixgrout NS Plus contains no hazardous substances. As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles shall be worn whilst handling. Wearing long sleeve overall, safety shoes and face mask is recommended for maximum safety. Reseal all containers after use and ensure product is stored as instructed on the safety section of the labeling. Treat any contact to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. For more details, please refer to the MSDS released on each PyChem product

Technical information given in this data sheet is true and exact to the best of our knowledge, laboratory upshot and hand-on application. The data sheets of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of publishing is as in this sheet. All data are mean of numerous tests, assessment and analysis conducted under laboratory ambience. Climatic disparity in temperature, humidity and porosity of substrate may impinge on values



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