

# AIMGROUT NS

High Flow Cementitious Non-shrink grout system

## DESCRIPTION

AIMGROUT 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.

## USES

- ▶ Retrofitting of concrete structures for improvement of load carrying capacity
- ▶ 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.

## ADVANTAGES

- ▶ 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

## APPLICATION

### 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:

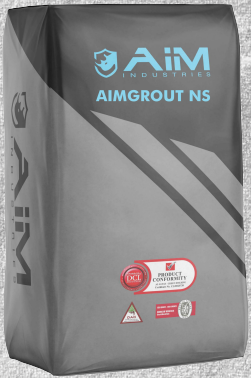
Tools should be cleaned with water after use

## PACKING AND STORAGE

AIMGROUT NS is available in 25 kg bags. For site installations or mass consumptions, deliveries shall be made in bulk custom-designed containers. AIMGROUT 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 AND SAFETY

AIMGROUT contains no hazardous substances; however it should not be allowed to come into contact with skin and eyes. Wear suitable protective gloves and goggles whilst handling. When in contact with the skin and eyes, wash thoroughly and immediately with warm water. If swallowed seek medical attention. For more details, please refer to the MSDS.



The information given in this datasheet is based on both current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept responsibility for any work carried out with our materials as we have no control over methods of application, site, conditions, etc.

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## TECHNICAL SPECIFICATIONS

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

## COMPRESSIVE & FLEXURAL STRENGTH

DAYS	COMPRESSIVE STRENGTH		FLEXURAL STRENGTH
	FLOWABLE (N/mm <sup>2</sup> )	FLUID (N/mm <sup>2</sup> )	FLUID (N/mm <sup>2</sup> )
Standard Confirms to	40.0	20.0	4.0
Color and Appearance	58.0	35.0	6.0
Density	68.0	45.0	8.0
Setting time:	80.0	60.0	9.0

## TYPICAL WATER REQUIREMENT TABLE

CONSISTENCY	FLOW TABLE	FLOW CONE	WATER (LTR/25KG)
Fluid	-	20-30	4.5-5
Flowable	130	-	3.5-4
Plastic	60	-	3.5
Dry-Pack	-	-	2.5

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