

ArmGrout NS 65

(Formerly known as MYK GROUT M 65)

Free Flow Non-Shrink High Strength Expansive Grout



TECHNICAL DATA SHEET

Product Description

ArmGrout NS 65 is recommended for precision grouting where it is essential to withstand static load in typical applications like base plate of generators, compressors, boilers etc. It is basically a free flow non-shrink, high strength expansive grout. It is based on port land cement with graded aggregates and additives which impart controlled expansion in the plastic state. The non-shrink grout function is three folds 1) To fill the voids between the base plate and the concrete foundations completely and permanently without shrinkage or separating from either 2) To transfer all loads from the base plate to the concrete foundation and 3) To maintain precise alignment. It effectively transfers all operational loads to the foundation.

Uses

- Precision grouting
- Grouting of base plates of turbines, compressors, boiler feed pumps
- Anchoring for a wide range of fixings, Masts, anchor bolts and fence posts.
- Bore packing

Features and Benefits

- Develops very high early and final strengths
- Non-shrink material
- Excellent flow characteristics
- Ensures high level contact with bond area
- Chloride free
- Does not affect the steel or foundation bolts.

Application Methodology

Step no 1: Surface Preparation

The substrate must sound clean and free from contaminations, all loose particles must be removed. The steel and concrete surfaces must be etched mechanically to enhance the bonding properties

Step no 2 : Mixing

For better results mix the material mechanically. To enable the grouting operation continuously it is essential that sufficient man power and mixing capacity are available at the site.

Step no 3: Application

Pre-soak the concrete surface with lots of clean water before the application is carried. All the surplus water is removed before the grouting application is carried out.

Flow Characteristics:

The flow basically depends on the gap width and the head of the grout and governed by the gap width.

Consistency:

For flowable consistency Water required for 25 Kgs bag: 4.5 Lts

Yield: 13.0 Lts at flowable consistency for 25 Kgs of HDPE Bags

Curing:

The entire exposed surface must be adequately cured with clean water.

Shuttering:

The form work should be constructed to be leak proof. This can be achieved by using suitable material or by using foam rubber strip or mastic sealant beneath the constructed form work and between joints.

Placing:

At 30°Celsius the grout to be placed within 20 minutes of mixing to gain the full benefits of the expansion process.

Working Conditions:

Do not place the grout when the ambient temperature is 5 deg Celsius. Use hot water to gain the strength when the temperature is low and cold water when the temperature is high.

Working time:

After mixing the material should be placed within 15 minutes depending upon the temperature and other conditions for best results.

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Technical Data

Compressive strength @ 30°C
(BS 1881- Part 116:1983)

Age Days	Compressive Strength
Flowable W/P 0.18	
1 Day	24 N/mm ²
3 Days	45 N/mm ²
7 Days	55 N/mm ²
28 Days	66 N/mm ²

Note: Size of the cubes used
70.6mm*70.6mm*70.6mm tested at 30°C.

Flexural Strength@ 28 days 30°C (ASTM C 348)	9 N/mm ²
Tensile Strength @ 28 days 30°C (ASTM C 307)	2.95 N/mm ²
Controlled Expansion: (in the plastic state)	1 – 4.0%

Packaging

25 Kgs HDPE bags

Storage and Shelf Life

Store under covered, in unopened bags clear of the ground in cool dry condition, protected from frost and excessive draught when stored in the above conditions to be used with 6 months from the date of manufacture.

Product Categories Available



Legal Note

The information, and, in particular, the recommendations relating to the application and end-use of MYK Arment products, are given in good faith based on MYK Arment current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with MYK Arment's recommendations. In practice, the difference in materials, substrates and actual site conditions are such that no warranty in respect of merchant ability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application & purpose. MYK Arment reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.