

MYK GROUT M 80

Heavy duties, High strength non shrink Flow able Cementitious Grout

Technical Data Sheet

Product Description:

MYK Grout M 80 is a single component pre weighed factory blended Non-shrink, high early strength free flow grout. It is designed for very high early and final strengths. The flow characteristics allow it to use at various consistencies.

General:

In every Industry there are machines equipments etc which must be firmly connected with foundations. The resulting static and dynamic loads are to be transferred as to guarantee a stable and permanent connection for any period of time. The Non-shrink grout plays a vital role in the structural stability.

Advantages:

Excellent flow characteristics
Low creep characteristics under sustained loading
High Compressive, Tensile and Flexural strengths
Non-shrink- and hence ensures complete surface contact and bond
Suitable for a wide range of loading situations
Does not shrink or over expand
Chloride and iron free

Properties:

Pot Life @ 27 °C temp : 15 minutes
Compressive Strength :
Age/ Days Compressive Strength in N/mm²
W/P ratio: 0.18 (Flow able), (water curing after one day)
1 Day Approx.2.3
3Days Approx.53
7 days Approx.71.2
28 Days Approx.86.1
Note: Size of the cubes used 70.6mm x 70.6mm x 70.6mm tested at 30 °C.

Flexural Strength at 30 °C:
W/P ratio: 0.15 (Flowable),
(Water curing after one day)

Age/ Days Flexural Strength in N/mm²
7 Days Approx. 9.2
28 Days Approx.11.1
Tensile Strength: Approx. 3.87 N/mm² @7 days
5.60 N/mm² @ 28 days

Unrestraint Expansion: 1.3% in plastic state.

Flow characteristics:

The maximum distance of flow is governed by the gap thickness, the head of the grout applied and the ambient temperature

Yield: 13Lts at flow able consistency for 25 Kgs of HDPE bags

Method of Use:

All kinds of contaminations such as oil, grease, concrete slurry etc must be removed from the surface. If the concrete surface is defective it must be cut open to a sound base. Bolt holes or fixing pockets must be blown clean of any dirt or debris.

Form work:

Due to the free flow nature of the grout the form work should be leak proof

Mixing:

The preweighed material MYK Grout M 80 is to be mixed with slow speed drilling machine fitted with a mixing paddle. The components should be mixed in a suitably sized mixing vessel. The mixing should be about 3 to 4 minutes slowly until a completely homogeneous mix is obtained

Placing:

Ensure that the grout is placed within its pot life. Continuous grout flow is essential; Pouring should be from one side of the void to eliminate air entrapment. The hydrostatic head must be maintained at all times so that a continuous grout front is achieved

Curing:

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

Limitations:

Grout should not be placed in any unrestrained situations. Failure to comply may lead to crack development in the grout. At temperatures below 25° C the cure rate may be slow, but will go to completion provided the temperature remains above 5°C

Supply: MYK Grout M 80 is supplied in 25kg pack

Yield: 13 Lts for 25 kg one pack qty.

Shelf Life: 6 Months if stored in cool dry place, unopened condition and under shaded area.

Quality Policy:

The information given in the data sheet is based on the years of experience, and found correct to the best of our knowledge. However the success of the product & its application is dependent on many external factors. We are fully assured of our products quality at the time of dispatch. As we are constantly endeavoring to enhance the qualities of our products which may reflect changes in the data sheets. Hence in the event of any doubt on critical parameters it is advisable to consult our technical department.

Precautions:

MYK Grout M 80 should be applied with gloves and care should be taken to see that it does not fall on skin or eyes. Splashes on to eyes have to be immediately washed with plenty of clean water and medical advice has to be taken

Technical Support:

Technical information regarding Schomburg range of products can be obtained from the technical cell of MYK Schomburg.

Note:

Information in this technical data sheet is to the best of our knowledge true and accurate. However, such conditions under which our products may be used are beyond our control, recommendation

MYK SCHOMBURG INDIA PVT LTD
(An Indo-German JV)
8-2-703/A, 3rd Floor, Leela Gopal Towers,
Road No. 12, Banjara Hills,
Hyderabad -500 034
Tel: +91 40 3040 0000
Email: mykschomburg.com
www.mykschomburg.com