

MYK GROUT EP 750

(High Strength Epoxy Grout)

Technical Data Sheet

Product Description:

MYK Grout EP750 is a free flowing High Strength Epoxy Resin Grout. MYK Grout 750 is a Epoxy resin grout designed for grouting of gap widths of 10 to 75 mm. It is supplied as a three component system consisting of base, hardener and specially graded aggregates. The components are supplied in the correct mix proportions designed for whole pack mixing on site.

Uses:

MYK GroutEP750 is a free flowing Grout, used in applications where physical properties and chemical resistance of the cured Grout is of utmost importance. It is suitable for a wide range of applications which includes:

- Under plate grouting to structural elements.
- Base plate grouting in dynamic load situations such as Turbines and other reciprocating machinery.
- Heavy industrial applications in steelworks, refineries Chemical plants and electroplating works.
- High strength filling for Structural systems.
- Rail track applications, to support heavy cranes, or on Transporter rails.

Advantages:

Excellent durability: high compressive, flexural and tensile Strengths ensure a long working life.

Cost effective: high early strength gain reduces the minimum Downtime for early commissioning of plant.

User friendly: simple, pre- packed, at site mixing to ensure optimum Performance characteristics

Versatile: suitable for a wide range of loading situations including repetitive Dynamic loads.

Excellent service performance: non-shrink capability Ensures full surface to surface contact.

Properties:

Pot life: 30 minutes @ 20°C
20 minutes @ 27°C

Tensile strength: Approx. 14 N/mm² at 7 days

Flexural strength: Approx. 24 N/mm² at 7 days

Compressive strength @ 30 oC:

Approx. 50 N/mm² at 1 day

Approx. 65 N/mm² at 3 days

Approx. 78 N/mm² at 7 days

Maximum flow distance for a head of 100 mm at 30°C :

35 mm gap - 2000 mm

70 mm gap - 3200 mm

Mixed density @ 27°C: approx. 1.98 gm/cc

Application temperature: Min.12 to Maximum 30 OC

Application instructions:

Under plate grouting:

The unrestrained surface area of the grout must be kept to a Minimum. Generally, the gap between the perimeter formwork and the plate edge should not exceed 75 mm on the pouring side and 25 mm on the opposite side. Formwork on the flank sides Suggested that, for temperatures above 30°C, the following should be kept tight to the plate edge. Air pressure relief holes should be provided to allow venting of any isolated high spots.

Formwork:

The formwork should be constructed to be leak proof as MYK Grout EP750 is a free flow grout. This can be achieved by using foam rubber strip or mastic sealant beneath the constructed formwork and between joints. For free flow grout conditions, it is essential to provide a hydrostatic head of grout. To achieve this feeding hopper should be used – please consult your local MYK Schomburg office for more details.

Foundation surface:

This must be free from oil, grease, or any loosely adherent material. If the concrete surface is defective or has laitance, it must be cut back to a sound base. Bolt holes or fixing pockets must be blown clean of any dirt or debris.

Base plate:

If delay is likely before placing steel base plates, it is recommended that the underside and edge are coated with MYK Indufloor EP to prevent rust formation and ensure bonding with the grout.

All metal surfaces should be cleaned to a bright finish in accordance with Swedish Standard SA 2½ or equal. MYK Indufloor EP can be applied directly onto newly cleaned steel surfaces even if they are damp.

Limitations:

Grouts should not be placed in any unrestrained situation, i.e. Base plate plinths, etc. Failure to comply may lead to crack development in the grout.

Estimating:

Supply: MYK Grout EP750 is Supplied in: 19 Kg pack (Yield: Approx. 9.5 Litre volume per 19 kg pack)

Hot Weather Working:

Whilst the performance MYK Grout EP750 at elevated temperatures is assured, application under such conditions can sometimes be difficult. It is therefore guidelines are used:

- A. Store unmixed materials in a cool (preferably temperature Controlled) environment, voiding exposure to direct sunlight.
- B. Keep mixing and placing equipment cool, arranging shade protection if necessary. It is especially important to keep cool those surfaces of the equipment which will come into direct contact with the material itself.
- C. Try to eliminate application in the middle of the day, and certainly avoid application in direct sunlight.
- D. Ensure that there are sufficient operative's available to complete applications within the material's pot life.

Mixing:

The entire contents of the hardener can should be poured into the base container and mixed until homogeneous. Place the Mixed base and hardener into suitable (a container with capacity of 15 to 20 litre) forced action mixer making sure that the entire volume is poured in. Add the aggregate and mix for 2-3 minutes or until uniform color is achieved. Once mixed, the material must be used within the specified pot life (see under Properties).

After this time, unused material will have stiffened and should be discarded

Note:

Immediately prior to placement, all surfaces must be dry and free from moisture.

Placing:

Ensure that the grout can be placed within its pot life. Continuous grout flow is essential. Sufficient grout must be Available prior to starting and the time taken to pour a batch must be regulated to the time taken to prepare the next one. 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.

Cleaning:

All tools and equipment should be cleaned immediately after use with a suitable

Precautions:

MYK Grout EP750 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

Quality Policy:

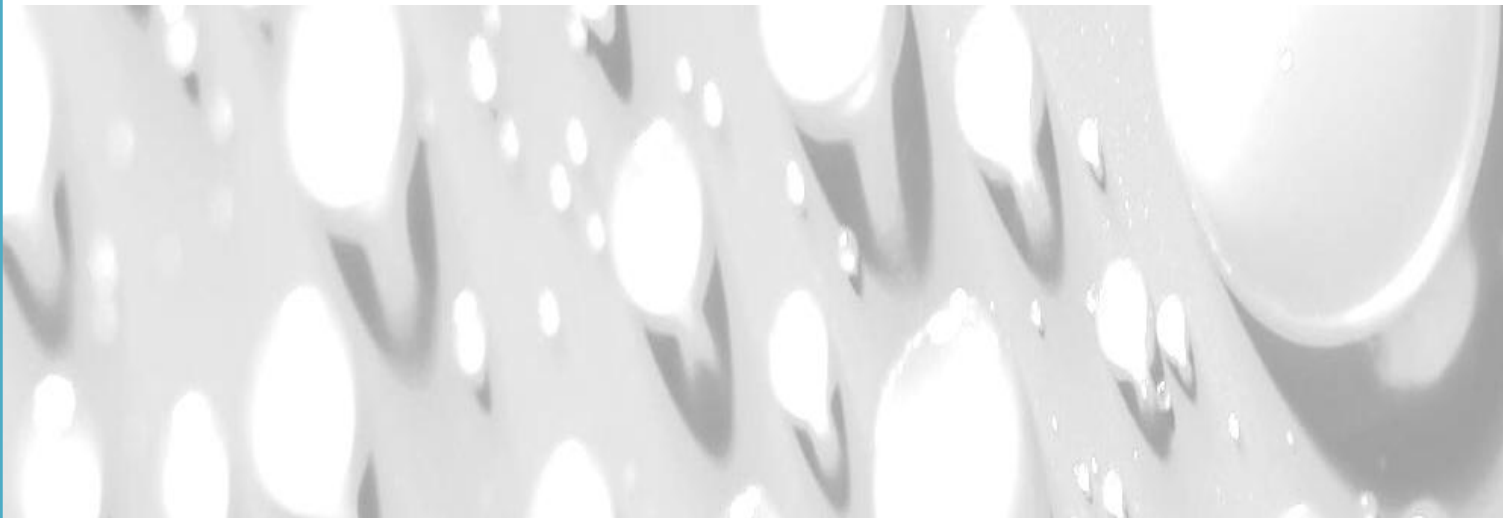
The information given in the data sheet is based on the years of experience, and found correct to the best of our knowledge. However the success of the product & its application is dependent on many external factors. We are fully assured of our products quality at the time so dispatch. As we are constantly 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

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, recommendations



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