

MYK GROUT EP 760 LE

Low Exothermic, Epoxy Resin Free Flow Grout

Technical Data Sheet

Product Description:

MYK Grout EP 760 LE is a three component solvent free system consisting of Resin, Hardener and specially graded inert fillers. MYK Grout EP 760 LE is a low exothermic material to suit for injection grouting where long working time is needed, for grouting gap widths up to 175 mm and for grouting at high ambient temperatures up to 50°C

Advantages:

- Low creep characteristics under sustained loading Resistant to repetitive dynamic loads.
- Non-shrink and hence ensures complete surface contact and bond.
- Excellent flow ability which is essential for an injection grouting system
- High compressive, tensile and flexural strengths. Withstands a wide range of chemicals.

Technical Properties:

Compressive strength @ 30 °C BS6319 Part2: 1983:

3 days - 65 N/mm²
7 days - 76N/mm²

Tensile strength @30 °C BS6319

Part 7: 1983:
7 days - 10N/mm²

Flexural strength @30 °C BS 6319 Part 3: 1983:

7 days - 27N/mm²

Mix Density: 1940 kg/m³

Pot life: 40 min at 40°C
90 min at 30°C
1 20 min at 20°C

Chemical Resistance:

Oil, grease, fats, most chemicals, mild acids and alkali, fresh and sea water.

Note: Consult the local MYK Schomburg Technical cell when exposure to solvents or concentrated chemicals is anticipated.

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:

MYK Grout EP 760 LE is a free flow grout; the form work constructed must be leak proof. This can be achieved by using foam rubber strip or mastic sealant beneath the constructed form work and between joints. For free flow grout conditions, it is essential to provide a hydrostatic head of grout.

Typical On-Plate Shutter System:

Removable Hopper:

For larger pours the grout may be hand placed or pumped into a removable hopper (trough) Foundation surface this must be free from oil, grease, or any loosely adherent material. If the concrete surface is defective or has laitence, 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 edges are coated with MYK Indufloor EP to prevent rust formation. 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.

Mixing:

Pour all the contents of the hardener pack into the base container. Mix using a slow speed power mixer until homogeneous. Pour all the resultant liquid into a container with a capacity of 20 - 25 liters. Add all the filler provided

and mix using a slow speed power mixer for two minutes or until a uniform colour is achieved in the grout..

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.

Flow Characteristics:

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

Cleaning:

All tools and equipment should be cleaned immediately after use with MYK Floor Clean 501*. Spillages should be absorbed with sand or sawdust and disposed in accordance with local regulation.

Whilst the performance of MYK Grout EP 760 LE at low temperatures is assured, application under such conditions can sometimes be difficult. It is therefore suggested that, for temperatures below 25°C, the following guidelines are adopted:

- i. Store unmixed materials in a warm (preferably temperature controlled) environment.
- ii. Keep mixing and placing equipment warm, arranging protection if necessary. It is especially important to keep warm those surfaces of the equipment which will come into direct contact with the material itself.
- iii. Try to eliminate application in the coldest time of the day, and certainly avoid application at night.
- iv. Minimum temperature of the mixed material to be 25°C, and loading shall only be allowed 96 hours after pouring.

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. - At temperatures below 25°C the cure rate may be slow, but will go to completion provided the temperature remains above 5°C.- The cured grout, which is resistant to frost and sub-zero temperatures, is most suited for ambient temperatures in the range of 25° to 50°C.MYK Grout EP 760 LE grouting should not be carried out at temperatures below 20°C.

In Service:

MYK Grout EP 760 is most suited for temperatures in the range 20° to 50°C.

Estimating:

Supply:

MYK Grout EP 760 LE: 19.5 kg packs (by volume: approx. 10 liter)
(3 component packs contains base resin, hardener and fillers.)

Storage:

MYK Grout EP 760 LE has a shelf life of 12 months if kept in dry Conditions at 20°C under shaded area. If stored at high temperatures the shelf life will be reduced.

Health and Safety:

MYK Grout EP 760 LE contains resins which may cause sensitization by skin contact. Avoid contact with skin and eyes and inhalation of vapor. Wear suitable protective clothing, gloves and eye/face protection. Barrier creams provide additional skin protection. Should accidental skin contact occur, remove immediately with a resin removing cream, followed by soap and water. Do not use solvent. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

For additional information see relevant Material Safety Data sheet

Quality Policy:

The information given in the date 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 if 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



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