



MC-DUR Grout

Three Component, Non-shrink, Solvent Free, Flowable Grout Based On Epoxy Resin Mixed With Suitable Chosen Fillers

Product Properties

- Non-Shrink
- Solvent free
- Exhibits excellent properties like high compressive & tensile strength
- Rapid hardening

Areas of Application

- Suitable for machine foundation
- Suitable for base plate grouting
- Suitable for rail tracks and for fixing bolts and anchor

Application Notes

General

MC-DUR Grout is a two-component solvent free transparent epoxy resin based product. The third component is a suitably graded Silica Filler material. When mixed with this filler, supplied in ready to use form, **MC-DUR Grout** exhibits excellent properties like high compressive and tensile strength, rapid hardening along with other properties of epoxy grouts.

Advantages

MC-DUR Grout is ideally suitable for machine foundations, base plate grouting, rail tracks and for fixing bolts and anchors. By varying the proportion of filler, the consistency of **MC-DUR Grout** can be changed from flowable to castable mortars. The castable grades can also be used as repair grout or mortar.

Instruction for Use

The substrate to be grouted must be clean and free from loose particles, dust, cement laitance, oil and other contaminants.

MC-DUR Grout is two-component solvent free flowable epoxy grout. Before mixing, the base component is thoroughly mixed and then the hardener is added. The mixing ratio is 2 p.b.w. of resin: 1 p.b.w. of hardener.

After thorough mixing, empty the mix into a clean container and mix again before the fillers are added. The epoxy thus prepared is mixed with the filler, which is supplied in a ready to use form as **MC-Filler**. Also suitably graded silica sand on site can be used as filler. The mixing ratio of mixed epoxy to filler is 1:2 for flowable grout and up to 1 : 6 for castable mortars. Depending upon the thickness of the grout the thixotropy can be controlled using fillers.

Never mix more **MC-DUR Grout** that can be placed within a period of 30 minutes. High temperatures accelerate the hardening process while low temperatures slow the setting time. If the temperature is below +5°C make sure that the grout mix to be placed as well as the contact areas are heated up to a temperature of +20°C. It is necessary to wait until the grout is sufficiently hard.

Conditions Of Application

During Application the temperature of the structure should not drop below +8°C.

Safety & Precaution

For all work with injection resins, the appropriate protective clothing (safety glasses and gloves) should be worn. The unmixed hardener is highly alkaline and a skin irritant. It must not come into contact with the skin, especially the mucous membranes.

If the resin gets into the eyes it should be removed immediately with eyewash. Suitable eyewash should be kept on the building site at all times. Medical advice should be sought immediately.

Cleaning

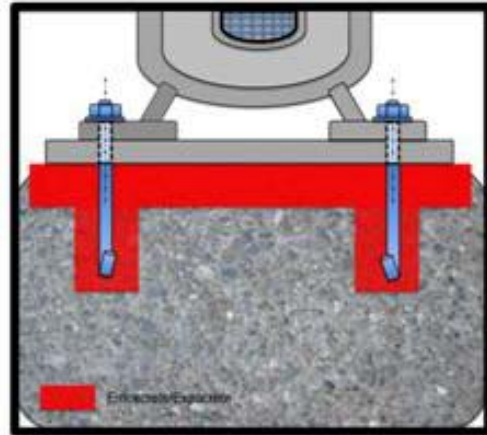
All injection machines and tools can be cleaned with **MC-Clean EP** on completion of work or any extended break.

Further Instructions / Precautions

Mixing Procedure



Use in Machine Foundations



Technical Data For MC-DUR Grout

Characteristic	Unit	Value	Comments
Pot life	Minutes	30	
Minimum application temperature	°C	+8°C	
Mixing ratio	part by weight	2:1 1:2 (flowable) 1:6 (castable)	Resin : Hardener Mixed epoxy : Filler Mixed epoxy : Filler

Product Characteristics for MC-DUR Grout

Type of Product	Three component Product with Two Component solvent free transparent epoxy resin and a Filler
Form	Resin, Hardener & Filler
Colour	Translucent
Shelf Life	6 months from date of Manufacture
Delivery	Resin : 30 kg pails & 5 kg cans. Hardener : 5 kg can & 1 kg bottle Filler : 30 kg sacks
Storage	In Unopened Packaging. Protect from Rain, Direct Sunlight, Heat and Frost
Disposal	Empty packs completely and dispose off carefully to protect our Environment

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees, which may differ from the data contained in our information sheets, are only binding if given in written form. The accepted engineering rules must be observed at all times. E. & O.E.

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