

Masterflex 310

Semi-Rigid Epoxy Joint Filler

Description

A twin pack epoxy compound designed to be used as a joint filler in floors where movement is limited and reinforcing at the edges of the joint is required. Due to its good compressive properties it helps reinforce the joint against the effect of wheeled traffic but at the same time its poor tensile strength ensures that movement at the joint faces, particularly those where the joint opens, does not cause spalling in the concrete.

Typical uses

As a reinforcing joint filler for joints in internal floors, designed to handle heavy-hard wheeled traffic. Typically used for re-sealing of joints in older floors and can be used with an additional filler to repair minor spalling etc.

Application

All surfaces must be clean dry and the surrounding concrete must be sound. In new floors delay installation as long as possible as shrinkage of the concrete causes progressive opening of the joints. A minimum of 28 days curing of the concrete is required. The joint depth should be a minimum of 20mm. Place a 3–5 mm layer of dry silica sand or weak sand / cement mortar at the base of the joint and fill with the thoroughly blended Masterflex 310 to the full depth of the joint, by either pouring or pumping in using a closed barrel gun. As a flush finish is required overfill with the epoxy compound to create a raised surface.

After approximately an hour, check the original application to ensure that some of the jointing material has not seeped away and top up if necessary. The excess material should be shaved or ground flush the next day. Staining of the areas adjacent to the joint may occur and this should be noted before application.

Cleaning

Clean all equipment immediately after use with solvent ie MEK. Once the compound has polymerised it will only be removed by mechanical abrasion.

Typical Properties

Solids Content	100% m/m
Mixing Ratio	As Supplied
Flash Point	>150°C
Application Temp.	5–35°C
Application Humidity	30–80% RH
Hardness	75–85 Shore A
Full cure	7 days
Maximum Service Temp.	80°C
Chemical Resistance	Mild acids, alkalis fuel, solutions.
Elongation	± 5% Max
Colour	Grey (colours on request)

Packaging

Supplied in 2 litre kits.



The Chemical Company

Masterflex 310

Shelf Life

6 Months correctly stored.

Storage

Store in a cool, dry, fully covered store.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult BASF Construction Chemicals SA's Technical Services Department.

Safety precautions

As with all chemical products, care should be taken during use and storage to avoid contact with eyes mouth, skin and foodstuffs (which can also be tainted with vapour until product is fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use.

Note

For professional use only

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local BASF Construction Chemicals SA representative. BASF Construction Chemicals SA. reserves the right to have the true cause of any difficulty determined by accepted test methods.

Quality and care

All products originating from BASF Construction Chemicals' SA facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001:2000.

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

As all BASF's technical datasheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.

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