

MasterSeal 320

Flexible twin pack polyurethane joint filler

MATERIAL DESCRIPTION

A twin pack polyurethane compound designed to be used as a joint filler in floors where movement is limited and reinforcing of the edges 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 caused when the joint opens, does not cause spalling of the concrete.

PRIMARY USES

MasterSeal 320 is suitable for use as reinforcing joint filler for joints in floors designed to handle heavy, hard wheeled traffic. Recommended for use in industrial flooring applications where “joint spacing” is typically a problem.

PACKAGING

MasterSeal 320 is supplied in 2 litre kits.
 Reactor = 0.448kg ; Base 1.606kg

COLOUR

Grey

TYPICAL PROPERTIES*

Solid content	100% m/m
Mixing ratio	As supplied
Pot life	20 minutes
Flash point	>150°C
Application	5°C – 35°C
Application humidity	30 – 80% RH
Hardness	± 65 – 75 Shore A
Full cure	7 days
Maximum service	80°C
Chemical resistance	Mild acids, alkalis, fuel oils and salt
Movement Accommodation	± 5%

*Properties listed are based on laboratory-controlled tests, are only for guidance and are not a guarantee of performance.

MIXING

Mix the two components together using a slow speed, electric drill. Scrape down the sides of the container and remix, preferably in a second container. Use immediately as the product has a limited pot life.

APPLICATION

All surfaces must be clean, dry and 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 for the concrete to cure is a requirement.

The joint depth should be a minimum of 20 mm. Place a 3 – 5 mm layer of silica sand at the base of the joint and fill with the thoroughly blended **MasterSeal 320** 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 polyurethane compound to create a raised surface. Check an hour or so after 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 can occur and this should be allowed for. It is recommended that the edges be masked with tape prior to installation of the sealant.

CLEANING

Clean all equipment immediately after use with thinners. Once the compound has polymerised it may only be removed mechanically.

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STORAGE

Store under cover out of direct sunlight and protect from extremes of temperatures.

Shelf life is 12 months from date of manufacture when stored in undamaged, unopened packaging.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage and disposal advice consult your local Master Builders Solutions 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). Contact with skin and eyes should be avoided by wearing protective clothing including safety goggles, gloves and overalls. In case of eye contact, flush well with clean water and obtain medical advice. If accidentally ingested, seek immediate medical attention. Use in well ventilated areas and avoid inhalation. Keep away from children and animals. Reseal containers and dispose of as per local regulations.

For further information refer to the material safety data sheet.

NOTE

Technical support, where provided, does not constitute supervisory responsibility. For additional information contact your local MB Construction Chemicals Solutions South Africa (Pty) Ltd representative. MB Construction Chemicals Solutions South Africa (Pty) Ltd shall not be liable for technical advice provided.

MB Construction Chemicals Solutions South Africa (Pty) Ltd reserves the right to have the true cause of any difficulty determined by accepted test methods. Undertaking such tests is not, and shall not be deemed to be, an admission of liability or an assumption of any risk, loss, damage or liability.

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All products originating from MB Construction Chemicals Solutions South Africa (Pty) Ltd are manufactured under a management system independently certified to conform to the requirements of the quality standards ISO 9001, environmental and occupational health and safety standards.

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