

MASTERFLEX[®] 612

Waterproof swelling paste

DESCRIPTION

Masterflex 612 is a single component, moisture curing pre-polymer which is reswellable when in contact with water, suitable for the permanent sealing of construction joints in concrete structures.

RECOMMENDED FOR

- Construction joints of every kind
- Connecting joints in sheet pilings or diaphragm walls
- Sealing of bell butt joints
- Wall penetration for metal, plastic, concrete pipes and cable bushing.
- Bonding of **Masterflex 610** swelling waterstops on very uneven or rough surfaces. **Masterflex 610** swelling waterstops are pressed strongly into the paste bead.
- Surrounding steel reinforcement bars on pile head.

FEATURES AND BENEFITS

- Simple use
- High swelling capacity in contact with water
- Highly resistant to chemicals and saline liquids
- Good adhesion to dry and moist surfaces (concrete < steel and plastics)
- Reversible swelling process.

PROPERTIES

On contact with water, the cured swelling gasket paste swells and seals the construction joint against water penetration.

An increase in volume of up to 250% produced by storage of water in the paste's molecular structure.

ESTIMATING DATA

The coverage of a 310 ml cartridge is approximately 5m depending on substrate.

APPLICATION

The substrate must be free of grease, dust and loose particles. Do not apply on frozen surfaces.

- The paste can be applied with a suitable hand-held caulking gun.
- Puncture and lift the double layer bottom of the cartridge, remove the pellets.
- Puncture the opening of the cartridge and free entire cross section.
- Cut the nozzle diagonally to obtain an opening of 6-10mm and place the cartridge in the caulking gun.

- Direct the caulking gun along the surface at an angle of 45° extrude paste evenly and press the paste bead against the substrate.
- For large jobs and ease of application we recommend pneumatic guns or mechanical guns with high gear.

Layer Thickness

Usually 5-10mm

Temperature

+5° to +40°C

NOTE:

- Hardening prior to concreting is minimum 24 hours.
- The swelling paste should be protected against premature swelling.
- When concreting, take care to ensure that the expanding paste is fully covered by concrete.

CURING

MASTERFLEX 612 should be protected against premature swelling.

During cold weather, the hardening process of the paste will be retarded.

Note : It is important to protect the waterbar from exposure to water until it is fully cured.

PACKAGING

Masterflex 612 is packaged in 310 ml cartridges.

SHELF LIFE

Masterflex 612 can be stored in a well enclosed dry place for 9 months in unopened original packing away from heat and direct sunlight.

PRECAUTIONS

Health : Some people may be sensitive to certain resin systems. Wear impervious gloves and use hand barrier cream while handling the product. Prevent eye contact. Ventilate application area. Wash thoroughly after handling. Persons who are sensitive to the vapours must wear approved respirators.

Should skin contact occur, wash immediately with soap and water, or an effective hand cleaner. In case of accidental eye contact wash with copious quantities of water and seek medical help immediately.

If ingested, do not induce vomiting. Consult doctor immediately. If the inhalation of vapours is causing discomfort, remove to fresh air.



The Chemical Company

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Fire : Product is flammable. Avoid exposure to naked flame or other ignition sources. Do not smoke while handling the product.

Flash point : 44°C

For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the BASF Construction Chemicals **Material Safety Data Sheet (MSDS)** from our office or our website.

SMflex612/2/0509

STATEMENT OF RESPONSIBILITY

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NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by **BASF** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **BASF Construction Chemicals**, are responsible for carrying out procedures appropriate to a specific application.

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