

MasterSeal 912

Waterstopping swelling paste

Material Description

MasterSeal 912 is a single component, moisture curing pre-polymer which is re-swellable when in contact with water. Suitable for the permanent sealing of construction joints in concrete structures.

Areas of Application

- Construction joints of every kind
- Connecting joints in sheet piling or diaphragm walls
- Sealing of bell butt joints
- Wall penetration for metal, plastic, concrete pipes and cable bushing
- Bonding of MasterSeal 910 swelling waterbars on very uneven or rough surfaces. MasterSeal 910 swelling waterbars are pressed strongly into the paste bead
- Surrounding steel reinforcement bars on pile head

Characteristics & Benefits

- Simple use - just gun along the joint
- High swelling capacity in contact with water - creates a water tight seal
- Highly resistant to chemicals and saline liquids – not affected by chemicals found in ground waters or the ocean
- Good adhesion to dry and moist surfaces - suitable for concrete, steel and plastics
- Reversible swelling process – joint will reseal after long dry periods

Properties

On contact with water, the cured swelling gasket paste swells and seals the construction joint against water penetration. **MasterSeal 912** can swell by up to 250%, produced by storage of water in the paste's molecular structure, creates pressure within the joint to create a watertight seal.

Application

The substrate must be free of grease, dust and loose particles.

- 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 from contact with water.
- When concreting, take care to ensure that the expanding paste is fully covered by concrete (minimum 80mm).

Estimating Data

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

Curing

MasterSeal 912 cures by contact with atmospheric moisture and needs no specific curing agent.

During cold weather, the hardening process of the paste will take longer.



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Packaging

MasterSeal 912 is packaged in 310 ml cartridges.

Storage & Shelf Life

MasterSeal 912 can be stored in a well enclosed dry place for 12 months in unopened original packing away from heat and direct sunlight.

Precautions

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

Disclaimer

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