

MasterSeal 910

Hydro-expansive profile made of rubber for the sealing of construction joints, previous concrete castings, floor-wall joints.

DEFINITION OF THE MATERIAL

MasterSeal 910 is a red, hydro-expansive profile with a 20x10 mm section made with a mixed base of synthetic and natural types of rubber.

MAIN FIELDS OF APPLICATION

It is recommended for:

- all types of construction joints;
- previous concrete castings under temporary or permanent hydrostatic pressure;
- sealing joints between concrete and stone, concrete and masonry work;
- foundations and walls in tunnels and bases.
- steel and concrete pipes, prefabricated elements etc;
- prefabricated steel or concrete segments.



CHARACTERISTICS

MasterSeal 910 does not react chemically with water, rather it retains the molecules, inside its structure, through an electrostatic type of action. Therefore the water is unable to move due to capillarity, nor can it lodge in any internal gaps since the product does not create any air bubbles. The speed of expansion is linked to the possibility of water penetrating through the surfaces.

From a mechanical point of view MasterSeal 910 is characterised by:

- Elongation at break > 600 %;
- Shore hardness A 47;
- Density: 1.21 kg/l.

EXPANSIVE PERFORMANCE

Liquid	Time	Expansion
Distilled water	1 day	approx. 100%
	3 days	approx. 150%
	7 days	approx. 225%
	14 days	approx. 250%
Mains water	1 day	approx. 100%
	3 days	approx. 150%
	7 days	approx. 225%
	14 days	approx. 250%
Sea water	1 day	approx. 75%
	3 days	approx. 125%
	7 days	approx. 150%
	14 days	approx. 175%

PACKAGES

Box containing 3 10-m rolls

STORAGE

Store the material in the original containers, in a dry and covered place at a temperature between 15 and 25°C. Do not expose to direct sunlight.

APPLICATION SHEET

TEMPERATURE

It can be applied when the ambient temperature is between +5°C and +40°C.

PREPARING THE SUBSTRATE

Correct preparation of the substrate is essential to successful application.

The application surface must be structurally sound, without any prominent irregularities, clean and clear of any dust, oils, grease, other contaminating substances. Repair any imperfections with a suitable product from the MasterEmaco line, and eliminate any trace of liquid water from the surface.

APPLICATION WITH ADHESIVE

Use MasterSeal NP 474 to anchor the profile on dry and smooth concrete.

On particularly rough and irregular surfaces, we recommend using MasterSeal 912, a hydro-expansive adhesive, to ensure the continuity of the joint along the support. Use MasterSeal 912 to also apply the system on damp surfaces.

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On newly-applied adhesive, apply MasterSeal 910 pressing gently.

On a clean, smooth, oil- and debris-free surface, apply a continuous layer of polyurethane adhesive in the centre of the cast.



APPLICATION WITH NAILS

MasterSeal 910 can be mechanically anchored to the substrate with nails, spaced out by 15 cm.

With particularly rough surfaces we recommend spacing the nails closer together.

Preferably place the joint along the central part of the substrate. With large surfaces,

it is necessary to apply two parallel profiles so as to increase the safety margin. It is important to leave at least 10 cm on both sides, between the side of the substrate and the side of the profile.

Avoid making joints on the ends, always guarantee that the profiles are touching by at least 5 cm.

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For more information contact the BASF Construction Chemicals Italia Spa Technician in your area. Technical advice that may be provided verbally or in writing concerning the use and methods to apply our products reflect the current state of our scientific knowledge and practices and do not imply a guarantee and/or liability for the end result of the works when using our products. Therefore, the customer bears the sole responsibility of verifying the suitability of our products for the intended use and purpose.

This edition supersedes all previous ones.

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