

# MasterSeal 902

Hydro-swelling sodium bentonite and elastomers based waterstop for sealing construction joints in concrete structures.

## DEFINITION OF THE MATERIAL

MasterSeal 902 is a ready to use hydroswelling waterstop 20 x 25 mm section, composed by natural sodium bentonite (76%) and elastomeric binders (24%).

## MAIN FIELDS OF APPLICATION

Specific for the waterproofing of construction joints in concrete structures. Not suitable in case of contact with sea water (for such cases use MasterSeal 910).



## FEATURES

MasterSeal 902 is featured by:

- volumetric expansion in water up to 440%;
- elasticity (elongation at break > 150%);
- mechanical strength (tensile strength > 0.35 MPa), Shore A Hardness 45-55): This feature allows the laying without any protective armor but simply with simple steel nails;
- anti-washout properties.

## PACK

Unit 30 m composed of 6 rolls of 5 m.

## STORAGE

The material must be stored in dry, sheltered spot at temperature between 5°C and 35°C.

## APPLICATION PROCEDURE

### TEMPERATURE

Temperature between +5°C and +40°C.

### PREPARATION OF THE SUBSTRATE

Proper preparation of the substrate is critical to the success of the application.

The application surface must be structurally sound, free of irregularities prominent, clean and free of dust, oil, grease, others contaminants. Repair any kind of imperfection with the appropriate product line MasterEmaco, and remove all traces of liquid water on the surface.

### APPLICATION

Anchor mechanically coupling to the substrate using nails at regular intervals of 25 cm.

If the surface is particularly rough it is advisable to reduce the distance between the nails.

Lay the coupling preferably along the central part of the support. In the case of ample and surfaces, are to be applied two parallel profiles in order to increase the safety margin. It is important that there are on both sides at least 10 cm between the side face of the support and that of the section.

Avoid joints at the head, but always ensure an overlap of at least 5 cm between the profile and the profile.



We create chemistry

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For further information, please consult your local BASF Construction Chemicals Italia Spa representative.

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