

Mastix system : technical file

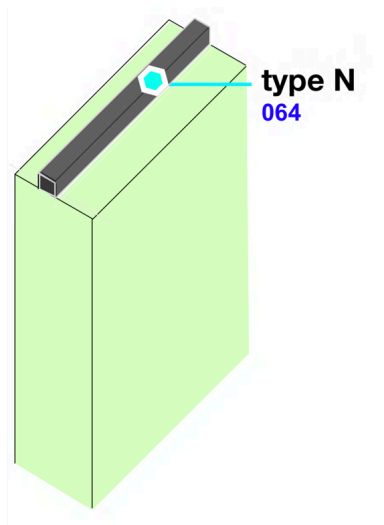
A25

Waterproofing of assembling joints

Wall/Precast slab

Variant with bands type type N

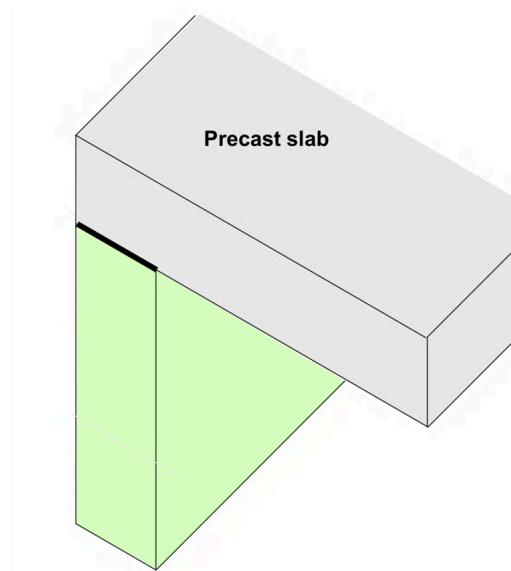
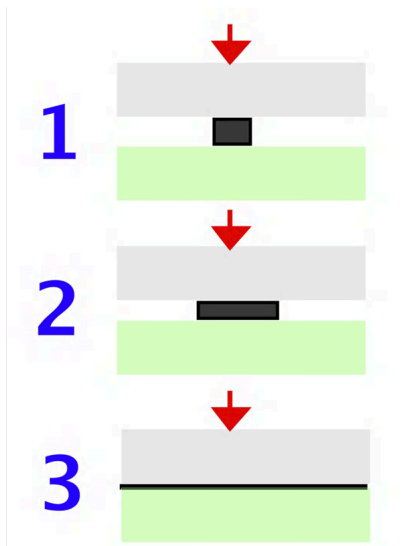
Variant 1 with bands type N Specifications sheet 064



The main performance of **BFL-Mastix waterstops type N** is their plasto-elasticity (softness).

In the case of a precast slab placed on a wall, the BFL-Mastix waterstops **type N** will be squeezed and fill the whole space between both elements.

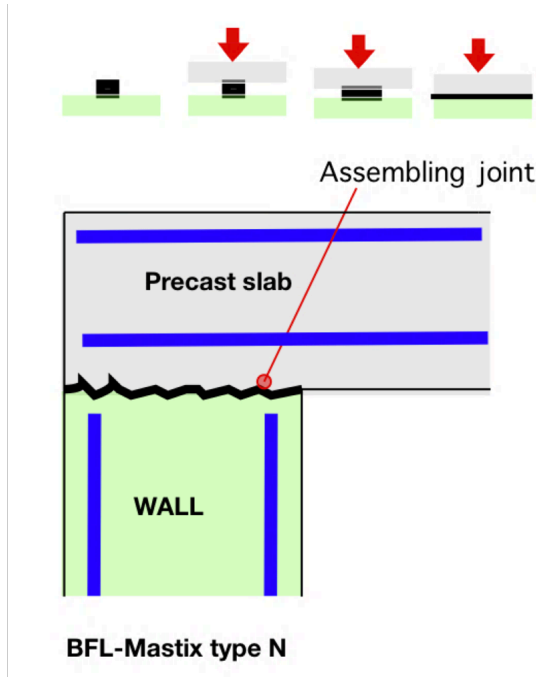
Watertightness is then assured.



In winter, at temperatures below 0°C, a propane gas burner can help to bring some heat in order to accelerate the squeezing of the bands **type N**.

The Mastix system is simple to work with and naturally compatible with concrete and concrete structures.

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Assembling joints

A separation joint between two hard concrete elements.

This is a passage where water can circulate.

Choosing a profile type N

Consult the Mastix catalogue over www.mastix.ch page 62

The joint surface is to be counted in mm².
 Example of a wall joint of 20 cm width and a medium roughness of 2 mm between the contact surfaces gives a joint surface of 2 x 200 = 400 mm².
 The band profile BFL-Mastix type N 20/20 is convenient for this example.

Placing of waterstops type N

- 1.- Clean the contact surfaces
- 2.- Place the bands type N in the centre line.
 To keep them in position, a propane gas burner can be used to introduce a gluing point every meter. It is also possible to introduce a gluing point with Mastix MS-Polymer every meter.
 It is not necessary to connect the bands, because they are put under pressure and squeezed together.
- 3.- Control.

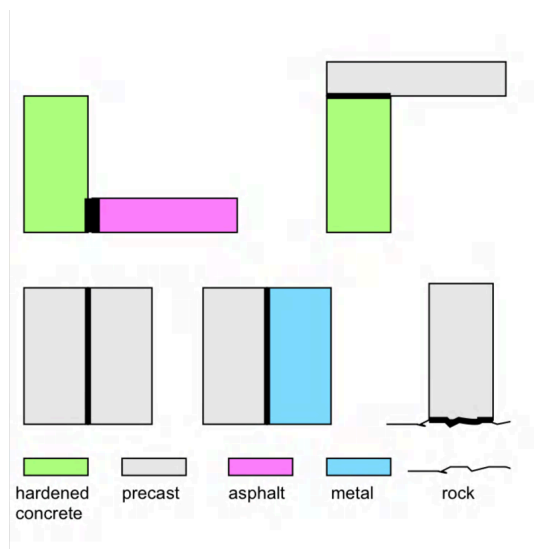
1. Description of waterstop type N

The BFL-Mastix waterstops type N are composed of a non-gravel coated core.
 The core consists of a watertight material based on a bituminous elastomer-rubber mixture.

2. Waterproofing of element connections

Waterproofing of assembling joints is achieved with waterstops type N.
 A waterproof connection between different materials with bands type N is possible.
 The softness of waterstops BFL-Mastix type N (plasto-elastic) allows to adapt the bands to all deformations in the joint.

3. Assembling examples



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