

Gluing of bands

BFL-Mastix R4 1/2 D

The profiles 30/40 R4 1/2 D, 40/50 R4 1/2 D, 40/70 R4 1/2 D are to be glued with a 2-components epoxy glue (chemical gluing).

1- Description of the bands BFL-Mastix R4 1/2 D

The bands R4 $\frac{1}{2}$ D consist of a plastified rectangular bitumen/rubber core. The core is partially coated with fine crushed 4/8 mm gravel. The lateral non gravel coated surface is the elastic reserve.

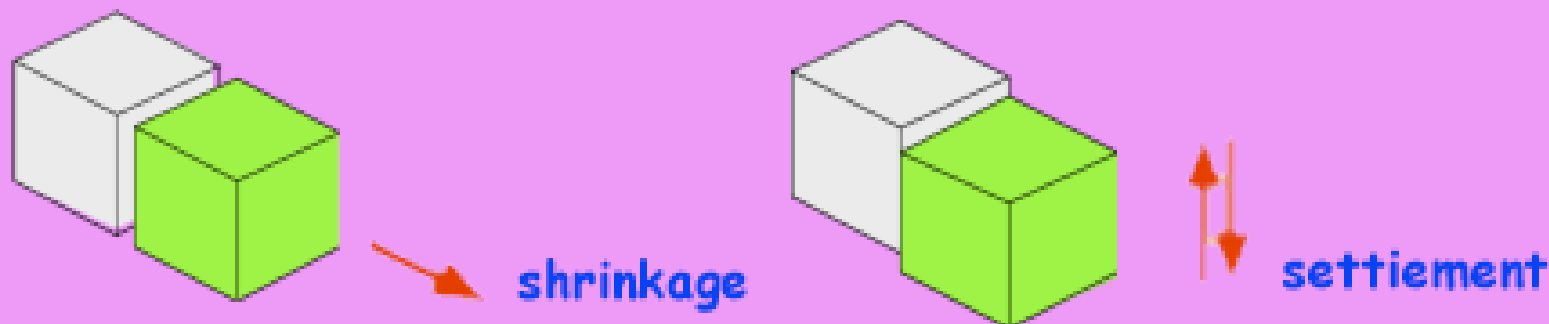


elastic reserve

The elastic reserve is a part of the core volume that can deform itself when the bands are glued on their support.

2- The use of BFL-Mastix bands type R4 1/2 D

The bands R4 1/2 D are used for waterproofing of shrinkage and settlement joints.



3.- Material for the application of bands R4 1/2 D

- a mixing pistol
- 2-components epoxy glue cartridges
- a propane gas burner
- a spatula
- gloves and protection spectacles

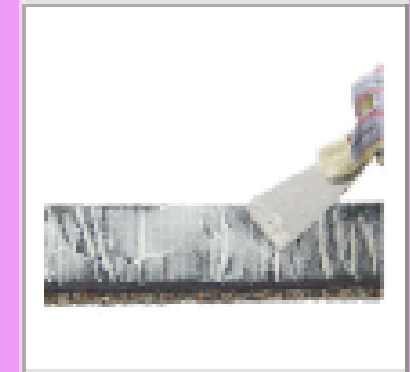
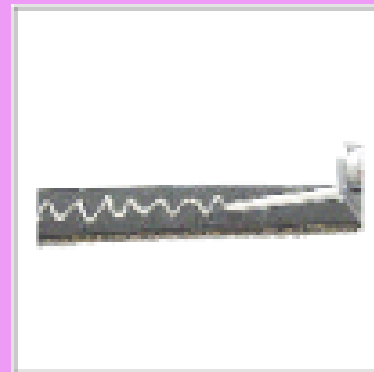
4- Chemical gluing of bands R4 1/2 D on concrete and on steel

4.1 Bands type R4 1/2 D are horizontally or vertically glued on clean surfaces.

- On concrete the cement milk to be eliminated.
 - On steel the gluing surface has to be cleaned and exempt from grease.
- In winter, it is recommended to heat the gluing surface.

4.2 Insert the glue cartridge into the pistol and screw the mixing jet. Flame the band surface (pass the propane gas burner quickly over the band) Spread an approximately 2 mm layer of epoxy glue on the band surface.

Capacity with a 400ml epoxy glue cartridge :
about 10 m' of bands 30/40 R4 1/2 D
about 8 m' of bands 40/50 R4 1/2 D
about 6 m' of bands 40/70 R4 1/2 D



Mixing pistol with the 2-components epoxy glue cartridge
Flame the bands before spreading the epoxy glue on the whole band surface

4.3 Place the bands on the support and maintain them under pressure during the polymerization period (hardening of the glue) of about 2 to 6 hours depending on ambient temperature.



4.4 To maintain the pressure on the bands during the hardening period of the glue, the bands should be supported by props. For reinforcing the glue effect it is recommended to squeeze the glue laterally, on both sides, out under the band surface.



prop



prop



laterally squeezed glue

4.5 For controlling the adherence of the band on its support, one should pull the band after the polymerization of the glue.



The gluing is good, if the core material deforms itself without peeling off.

