

Thermal or hot gluing of BFL-Mastix bands type R

This concerns the profiles 15/30 R, 20/40 R, 20/70 R, 30/40 R, 40/50 R, 40/70 R, 40/100 R.

1.-Description of bands type R



The core of the BFL-Mastix bands consist of plastified rubber-bitumen with rectangular section. The core is coated on three sides with fine crushed 4/8 mm gravel. The non coated side is used as gluing surface.

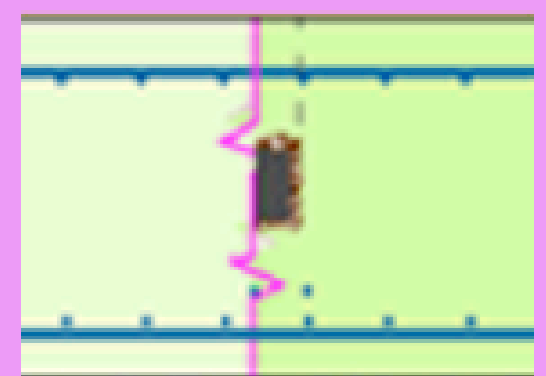
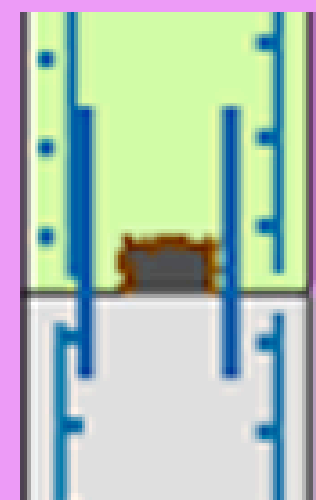
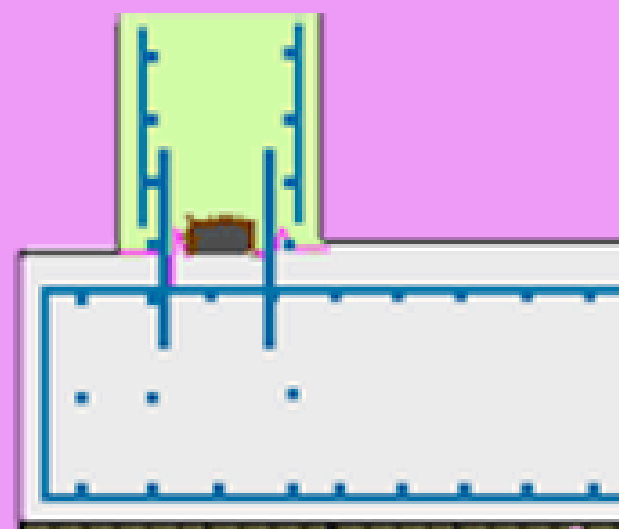
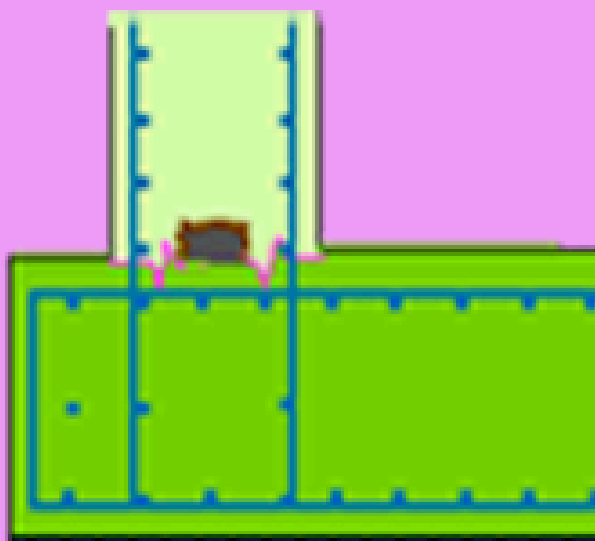
2.-Gluing of bands type R

2.1.- The bands type R are hot glued for the waterproofing of work joints under pressure stresses or in case of steel or gudgeon reinforced work joints in the presence of shrinkage stresses.

 hard concrete

 existing concrete

 new concrete



2.2.- For gluing our bands on other supports or for other applications, please consult our website www.mastix.info

3.-Necessary material for the gluing of bands type R

- a propane gas burner
- a spatula
- protection gloves and spectacles
- a brush for applying the BFL-Primer

4- Utilizing of the BFL-Primer

The BFL-Primer is used to render the gluing surface on the concrete impermeable and to reinforce the surface texture of old concretes.

5- Application of the BFL-Primer

The BFL-Primer is applied on a clean and dry surface. Before the BFL-Mastix band are glued, the BFL-Primer must be dry.

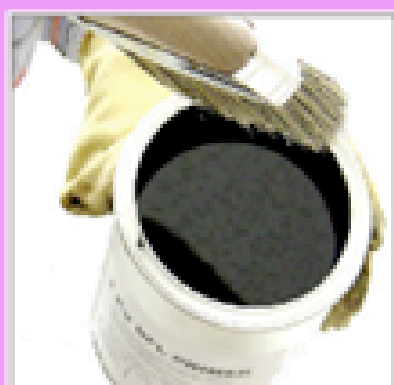
6- Condition for a quality hot gluing

To obtain a perfect adhesion on the concrete surface, its gluing surface must be heated up to at least 100 °C. At this temperature and when the bands get in contact with the heated concrete surface, the band surface liquifies and penetrates in the concrete surface pores. In this way a mechanical adhesion is realized.

7- The hot gluing procedure

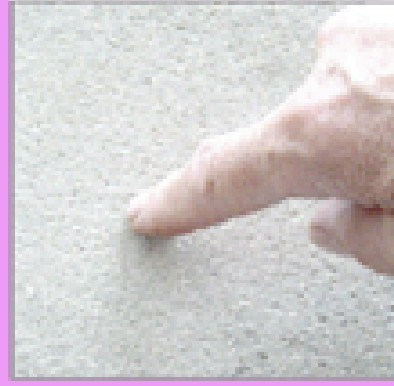
7.1- Clean the gluing surface by sandblasting, brushing, high pressure water or compressed air.

7.2- Applying of the BFL-Primer on a clean and dry support. To accelerate the drying of the primer, the gluing surface can be heated before.



7.3- As soon as the BFL-Primer is dry, the gluing surface shall be heated with the burner. The heating must reach a temperature of at least 100 °C on the support surface.

7.4- To control the temperature on the support, it just needs to moisten a fingertip and touch the heated surface. If the humid trace disappears immediately, the temperature was correct.



7.5- Quickly pass the burner over the band surface (flaming).



7.6- Place the band on the gluing surface and apply some pressure.



8- Adhesion testing

To test the adhesion of the bands glued on the BFL-Primer or directly on the concrete, just try to drag the band off.

- If the band core adheres well on its support, then the gluing was perfect.
- If the core peels off the support, the gluing was not correctly done, because the temperature did not reach the required 100 °C or higher.



OK



BAD



OK



BAD

