



BFL-Mastix waterstops and their durability in concrete



The fine crushed gravel, covering entirely or partly the core of the deformable BFL-Mastix waterstops, assures a perfect physical adhesion with the cement paste in the concrete.

This physical adhesion in the concrete is being improved over the years through the chemical adhesion.

The cement paste is the glue, linking not only the grains amongst each other, but also fresh concrete on hard or any other porous support.

The fine crushed gravel, covering the the BFL-Mastix waterstops, has the following properties:

- Grain size 4/8 mm**
- specially choosen limestone, non alkali-reactive**

The use of the high quality fine crushed gravel and its mechanical adhesion capacities, prepared in factory, assures a permanent durability of the liaison with the cement paste in the concrete.



Even with a minimum of cement paste in the concrete, the angular form of the gravel aggregates assures a perfect liaison in the concrete, even avoiding an enrichment of the cement quantity in the concrete.

An excellent watertightness can be obtained through the fine gravel, covering the BFL-Mastix waterstops.

The shape of this gravel, coating the waterstop cores, is essential for the watertightness in the joint, as well as for the durability of the concrete.

The technical principle of the Mastix system is a strong factor, independent of the concrete composition.



The Mastix system assures the watertightness in the joints with these outstanding waterstops, because the shape of the used gravel components is the perfect link with the cement paste.