

Waterproofing**Waterproofing of joints****Waterproofing principle of the Mastix waterstop system****Introduction**

Waterproofing is an entity of applied measures to assure, that water and humidity cannot constructively endanger important building elements.

Penetration of water through joints can sooner or later, in the presence of the AAR phenomenon (alkali-aggregate reaction), lead to a destruction of the structure.

Waterproofing principle of the Mastix waterstop system

BFL-Mastix waterstops are linked to the

" Coherence principle "

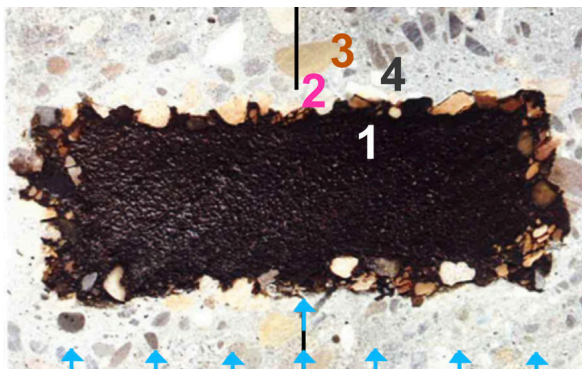
The "Coherence principle" in a waterproofing system of joints in concrete structures concerns soft and deformable fine gravel covered waterstops.

This fine crushed gravel must be porous and rough.

The fine crushed gravel is in direct contact with the cement paste of the concrete. It participates in the concrete as well as its own gravel.

The liaison ordinary gravel/cement paste/fine crushed gravel is therefore "coherent". *It combines materials of the same kind and properties.*

The liaison fine crushed gravel/soft and deformable band core is "coherent". The mechanically applied fine crushed gravel is an *interface between band core and the concrete.*



1 Core of BFL-Mastix waterstops

2 Fine crushed gravel on BFL-Mastix waterstops

3 Concrete granulate

4 Cement paste

The Mastix system

The Mastix system comprises the totality of the BFL-Mastix waterstops with their core of a bitumen/rubber mixture, covering partly or totally the core, mechanically coated with fine crushed rough and porous gravel, size 4/8 mm.

Consult the Mastix system over www.mastix.ch

The catalog

The catalog of the BFL-Mastix system can be consulted on the web site www.mastix.ch

Technical documentation

The complete "Technical documentation of BFL-Mastix waterstops" can be consulted in www.mastix.ch

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

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