



Certified ISO 9001/2015

40 years positive experience with
BFL-Mastix waterstops
in the field of waterproofing construction joints
in tunnels, power dams and buildings
in water reservoirs and pools.

BFL-MASTIX Bands

Commercial file




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Consult our catalogue on www.mastix.ch

BFL-Mastix waterstop

LIST OF PROFILES

Types	Profiles	Microbands	Bands
	R4 20/40 R4 20/70 R4 20/120 R4 30/40 R4 40/50 R4 40/70 R4 40/100 R4	✓ - - - - - -	- ✓ ✓ ✓ ✓ ✓ ✓
	R 15/30 R 20/40 R 20/70 R 20/120 R 30/40 R 40/50 R 40/70 R 40/100 R	✓ ✓ - - - - - -	- - ✓ ✓ ✓ ✓ ✓ ✓
	RG 20/20 RG 30/40 RG	✓ -	- ✓
	RB 20/70 RB 20/120 RB	✓ -	- ✓
	R4 1/2 20/70 R4 1/2 40/70 R4 1/2	✓ -	- ✓
	R4 1/2 D 30/40 R4 1/2 D 40/50 R4 1/2 D 40/70 R4 1/2 D	✓ - -	- ✓ ✓
	RGD 40/50 RGD	-	✓
	N 8/30 N 11/40 N 20/20 N 20/40 N 30/30 N	✓ ✓ ✓ ✓ -	- - - - ✓
	Glue Glue Mastix MS-Polymer Cartridge 310 ml	✓	✓



Work joint



Work joint



Retreat joint




Assembling joint

Consult our catalogue on www.mastix.ch

BFL-Mastix waterstop









WRAPPING

Types		Profiles	Wrapping m'/box
	R4	20/40 R4 20/70 R4 20/120 R4 30/40 R4 40/50 R4 40/70 R4 40/100 R4	12.00 6.00 4.20 9.00 6.00 6.00 3.60
	R	15/30 R 20/40 R 20/70 R 20/120 R 30/40 R 40/50 R 40/70 R 40/100 R	21.00 12.00 6.00 6.00 9.00 6.00 6.00 3.60
	RG	20/20 RG 30/40 RG	24.00 9.00
	RB	20/70 RB 20/120 RB	6.00 6.00
	R4 1/2	20/70 R4 1/2 40/70 R4 1/2	6.00 6.00
	R4 1/2 D	30/40 R4 1/2 D 40/50 R4 1/2 D 40/70 R4 1/2 D	12.00 6.00 6.00
	RGD	40/50 RGD	6.00
	N	8/30 N 11/40 N 20/20 N 20/40 N 30/30 N	51.00 42.00 46.20 24.00 21.00
	Glue	Glue Mastix MS-Polymer Cartridge 310 ml	1 pc

Work joint	Work joint	Retreat joint	Assembling joint

Consult our catalogue on www.mastix.ch

CONSUMPTION OF MASTIX MS-POLYMER GLUE

Types	Profiles	Placing of bands	1 cartridge for
	R4 20/40 R4 20/70 R4 20/120 R4 30/40 R4 40/50 R4 40/70 R4 40/100 R4	Waterstops to be placed in fresh concrete	- - - - - - -
	R 15/30 R 20/40 R 20/70 R 20/120 R 30/40 R 40/50 R 40/70 R 40/100 R	Waterstops to be glued on hard concrete, on steel, on PVC	10 m' 6 m' 3 m' 2 m' 6 m' 4 m' 3 m' 2 m'
	RG 20/20 RG 30/40 RG	Waterstops to be glued in a angle, on hard concrete	6 m' 3 m'
	RB 20/70 RB 20/120 RB	Waterstops to be fixed on rebars	- -
	R4 1/2 20/70 R4 1/2 40/70 R4 1/2	Waterstops to be glued in a groove	10 m' 6 m'
	R4 1/2 D 30/40 R4 1/2 D 40/50 R4 1/2 D 40/70 R4 1/2 D	Waterstops to be glued on hard concrete, on steel, on PVC	6 m' 4 m' 3 m'
	RGD 40/50 RGD	Waterstops to be glued in a angle, on hard concrete	2 m'
	N 8/30 N 11/40 N 20/20 N 20/40 N 30/30 N	Waterstops to be glued on hard concrete	10 m' 6 m' 10 m' 6 m' 8 m'
	Glue	Glue Mastix MS-Polymer Cartridge 310 ml	1 pc



Work joint



Work joint



Retreat joint




Assembling joint

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BFL-Mastix waterstop

CHOICE ACCORDING TO KIND OF WATER

Types		Profiles	Rainwater	Groundwater
	R4	20/40 R4 20/70 R4 20/120 R4 30/40 R4 40/50 R4 40/70 R4 40/100 R4	✓ ✓ ✓ ✓ ✓ ✓ ✓	- ✓ ✓ ✓ ✓ ✓ ✓
	R	15/30 R 20/40 R 20/70 R 20/120 R 30/40 R 40/50 R 40/70 R 40/100 R	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	- - ✓ ✓ ✓ ✓ ✓ ✓
	RG	20/20 RG 30/40 RG	✓ ✓	- ✓
	RB	20/70 RB 20/120 RB	✓ ✓	- ✓
	R4 1/2	20/70 R4 1/2 40/70 R4 1/2	✓ ✓	- -
	R4 1/2 D	30/40 R4 1/2 D 40/50 R4 1/2 D 40/70 R4 1/2 D	✓ ✓ ✓	- - -
	RGD	40/50 RGD	✓	-
	N	8/30 N 11/40 N 20/20 N 20/40 N 30/30 N	✓ ✓ ✓ ✓ ✓	- - - - -
	Glue	Glue Mastix MS-Polymer Cartridge 310 ml	✓	✓

Work joint	Work joint	Retreat joint	Assembling joint

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PLACING OF BFL-MASTIX WATERSTOP TYPE R4

- 1** BFL-Mastix waterstops type R4 are placed into fresh concrete during or after concreting a raft, according to the concrete consistency.



- 2** Connecting band ends is done by heating them for some seconds with a small propane gas burner.



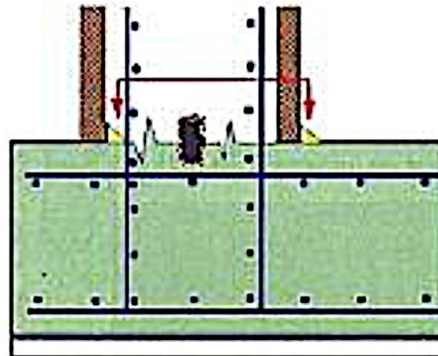
- 3** BFL-Mastix waterstops type R4 are incorporated in fresh concrete. Half of their height is in the concrete and half above, in a waiting position.



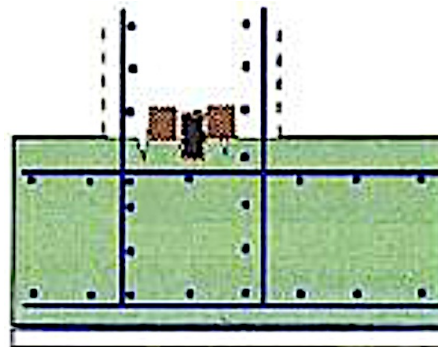
Consult our catalogue on www.mastix.ch

ADVICE

To avoid leakage of cement milk and formation of gravel nets, leading to a loss of resistance, the formwork foot should be waterproof.



In areas used for walking, the BFL-Mastix waterstops must be protected.



To avoid that BFL-Mastix waterstops are squeezed by steel formwork, a space should be formed with some wooden pieces.



Washing of the work joint surface is done before placing the formwork panels. With wind in summer, the work joint surface must be well moistened in order to avoid the formation of porous spots through a loss of water out of the fresh concrete into the dry raft concrete.



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GLUING BFL-MASTIX WATERSTOP

Gluing step

- 1** The glue Mastix MS-Polymer is to be put on the non-gravel coated side of the bands.



- 2** A slight pressure is to be applied on the bands, when glued on the support.



- 3** Connecting bands between each other is made with the glue Mastix MS-Polymer. It is necessary to respect, that the glue is not covering the gravel coating.



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GLUING BFL-MASTIX WATERSTOP

Gluing the waterstops on a rough or very rough concrete

- 1** BFL-Mastix waterstops adhere perfectly on rough concrete after demolition.



- 2** In winter, it is necessary to slightly flame the gluing surface.



- 3** To control the adherence of a glued waterstop with Mastix MS-Polymer, it just needs trying to pull off the band.



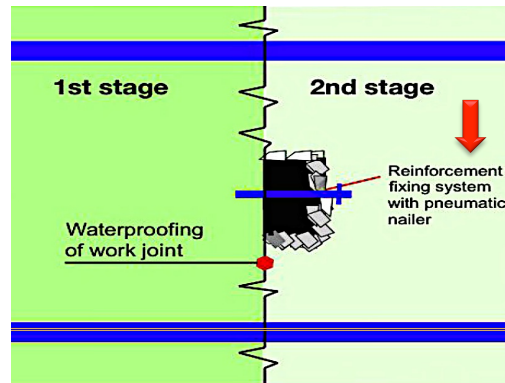
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VERTICAL GLUING OF BFL-MASTIX WATERSTOP

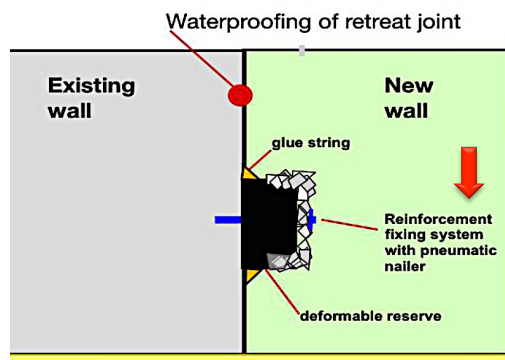
Nailing - Reinforcement the glued waterstops

In order to reinforce the glued waterstops, a pneumatic nailer can be used during the glue hardening period. The high elasticity of the band core avoids any liquid infiltration around the nails.

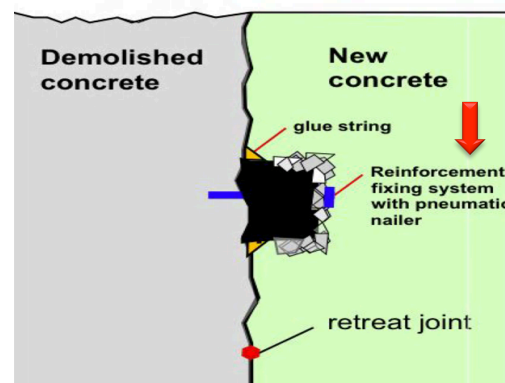
Waterstops type R



Waterstops type R4 1/2 D



Waterstops type R4 1/2 D



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PERPENDICULAR CONNECTION BETWEEN BFL-MASTIX WATERSTOP

Connection step

1

With a slightly heated metallic spatula, just scratch off the gravel on the gluing surface ...



2

... to create a small groove.



3

The BFL-Mastix bands are connected black on black. The glue Mastix MS-Polymer must never cover the gravel coating.



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