The BFL-Mastix bands type R4

are coated on all four sides
with a fine crushed gravel layer

For creating a waterproof connection between two concreting stages, it is required that the surface of the first stage is:
clean, rough and porous

BFL-Mastix waterstops type R4 present themselves as a deformable core non subject to rot. It is covered with fine crushed gravel, offering with its
clean, rough and porous
surface a perfect adhesion capacity when in contact with fresh concrete.

BFL-Mastix waterstops correspond to the concrete characteristics and the requirements of the corresponding standards

The core

The core is a mixture of bitumen, rubber and binder additives.

The consistency of the core is plasto-elastic.

The fine crushed gravel

The fine gravel cover is constituted by a gravel grain of 4/8 mm, non alkali-reactive and solidly anchored on the core material.

The task of the gravel is to procure the concrete with a rough and porous surface to assure the adherence.

The most important features of the bands R4

Behaviour

BFL-Mastix bands type R4 behave like a solid visco-elastic matter.

Mechanical characteristics

Excellent capacity to adapt to permanent deformation.

Durability

High resistancy against aging processus

neutral behaviour

not subject to rot

not sensitive against sea water

Compatibility

with fresh concrete

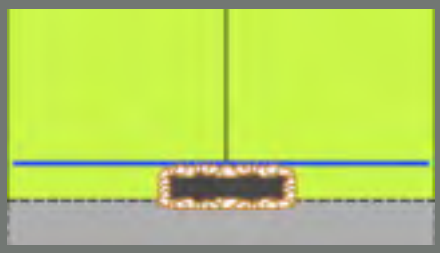
with hard concrete

with rock

with steel

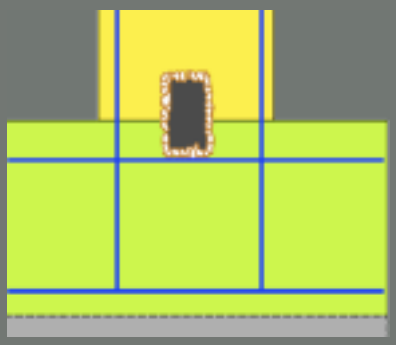
with PVC

Common uses of bands type R4

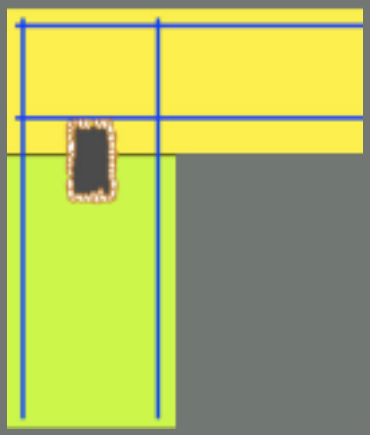


raft foundation concreted in one only stage

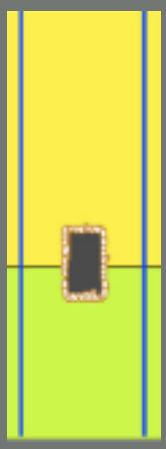
raft foundation concreted in several stages



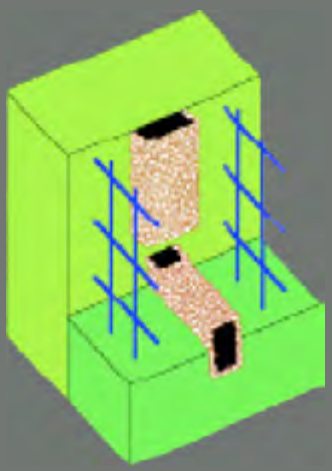
raft / wall



slab/wall



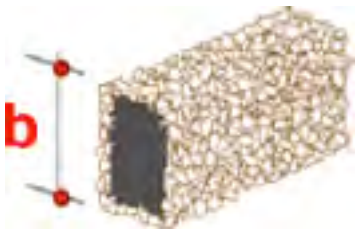
height increase of a wall



connection

Profiles type R4

Bands	Dimensions cm	cm	Length cm	Conditioning m'/box	Weight kg/m'
	a	b			
20/40 R4	3.00	5.00	60.00	12.00	2.40
20/70 R4	3.00	8.00	60.00	6.00	4.00
20/120 R4	12.00	3.00	60.00	4.20	5.50
30/40 R4	4.00	5.00	60.00	9.00	3.50
40/50 R4	5.00	6.00	60.00	6.00	5.00
40/70 R4	5.00	8.00	60.00	6.00	5.50
40/100 R4	5.00	11.00	60.00	3.60	7.00



Choice of a profile type R4

raft / raft

- Concrete structures in the presence of ground water	**Profil 20/120 R4**
- Concrete structures in presence of circulating water	**Profiles 20/70 R4 or 20/120 R4**

raft / wall
slab / wall

- Concrete structures containing water *power/hydro-electric dam - basins - reservoirs*	**Profiles 40/70 R4 or 40/100 R4**
- Concrete structures in the presence of a ground water *buildings - substructures for roads and railways*	**Profiles 40/50 R4 or 40/70 R4**
- concrete structures in the presence of circulating water *buildings - substructures for roads and railways*	**Profiles 20/40 R4 or 30/40 R4**

The way how bands type R4 shall be used

Bands BFL-Mastix type R4 are placed into the fresh concrete

Watch Video

http://mastix.ch