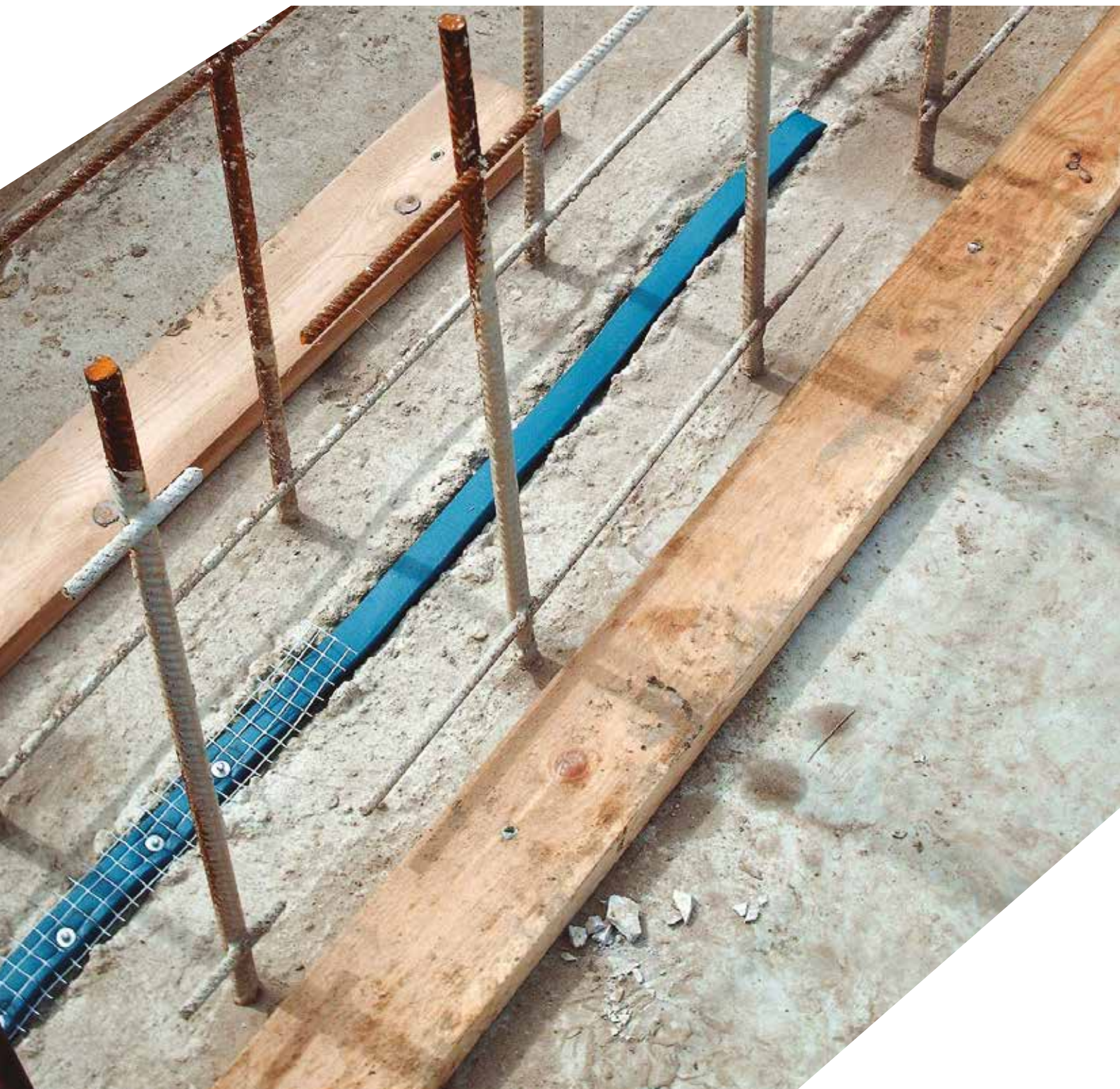


Plaka Colmarub

Hydro expansive bentonite strip





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Colmarub Hydro expansive bentonite strip

Colmarub is a Hydro expansive swelling strip, consisting of natural sodium bentonite clay and rubber. Colmarub is used for watertight sealing of construction joints in concrete structures.

The swelling strip must be completely enclosed by concrete. This Colmarub swelling strip will swell up to 393% when in contact with water. The swelling strip seals under up to 8 bars water pressure, depending on the dimensions. Absolutely safe water sealing is achieved with the use of Colmastic, in combination with Colmasteel.



Advantages

- Simple and fast to apply.
- Workable under poor weather conditions.
- Retarded expansion (72 hours).
- Permanently elastic and flexible for the lifetime of the building.
- Retains its shape when swelled.
- Harmless for the environment.
- Can be used in contact with drinking water.
- Swells to 393% of its own volume.
- Resistant to 8 bars hydrostatic pressure.
- Colour blue (easily recognizable).
- Does not decompose when in contact with water.
- Certified in Belgium. Avis Technique 3/07-543.



Applications

- With construction joints in concrete structures.
- With wall-floor joints.
- In lift shafts.
- Sealing of pipes which penetrate the concrete.

Technical properties

- Material : Composed of natural sodium bentonite clay and rubber.
- Density : CA 1.48 kg/dm³.
- Expansion pressure : Min. 0,7 N/mm².
- Weight : 0,36 kg/m (20 x 25 mm).
- Roll : 30 meter.
- Storage : Unlimited shelf-life when in original packaging and if stored in a dry and frost-free environment.



Colmarub Hydro expansive bentonite strip



Application

- Ensure a proper contact surface with Colmastic.
- Unroll Colmarub between the reinforcement with a minimum of 7 cm concrete coverage.
- Place the Colmasteel grid over the Colmarub. Colmasteel is a galvanized grid which prevents loosening or tearing of the Colmarub swelling tape.
- Nail the Colmarub swelling strip together with the Colmasteel grid, every 30 to 40 cm.



Colmarub Swelling strip

Code	m/Box	Kg/m
DNH	30 m	0,72



Bentoject + fixing net

Code	m/Box	Kg/m
DNBEN	40 m	0,125

Accessories



Colmasteel Grid for swelling strip

Code	m/Box	Kg/m
DNHT	30 m	0,06



Colmastic

Code	kg/Box	Kg/1
DNC	5 kg	1,00



Swellseal

Swellseal Mastic 310 ml



Swellseal Mastic 600 ml



Swellseal Mastic WA 310 ml/600 ml



Code	p/Box	Kg/1
DNS 310 ml	1	0,50
DNSG 600 ml	1	0,89
DNSEWA 310 ml	1	0,50
DNSGWA 600 ml	1	0,89

Swellseal gun for Swellseal Mastic 600 ml



Code	p/Box	Kg/1
DNSP	1	1,04



Swellseal Mastic

Sprayable swelling rubber for sealing flat and uneven rough construction and repair joints and around pipe penetrations in concrete.

Solvent-free swelling mastic based on polyurethane resins, supplied in tubes and aluminium sausages, for watertight joints and pipe penetrations in concrete. The swelling mastic can be easily applied using a standard mastic gun (310 ml).

The swelling mastic must preferably be applied to a clean and dust-free surface. The surface may be rough or smooth, moist or dry. It is advisable to avoid use in heavy rain or with prolonged water contact as this results in premature swelling of the sealing tape.

The swelling mastic can be applied in a continuous strip (minimum of 10 mm thick and wide) in the middle of the construction joint or precast element using a hand gun (minimum concrete coverage is 7 cm). Preferably let the mastic dry for 24 hours before concreting over. Consumption: \pm 100 ml/m.

Advantages

- Permanently active, withstands wet/dry cycles.
- Excellent adhesion to the most common building materials.
- High swelling capacity:
 - Swellseal Mastic 350%
 - Swellseal Mastic WA 200% (wet surface)
- Solvent free.
- Moulds into the sub-surface.
- Resistant to up to 15 bars hydrostatic pressure.
- WRAS drinking water approved.
- Proven performance by independent and internal test reports.
- Insoluble in water.

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