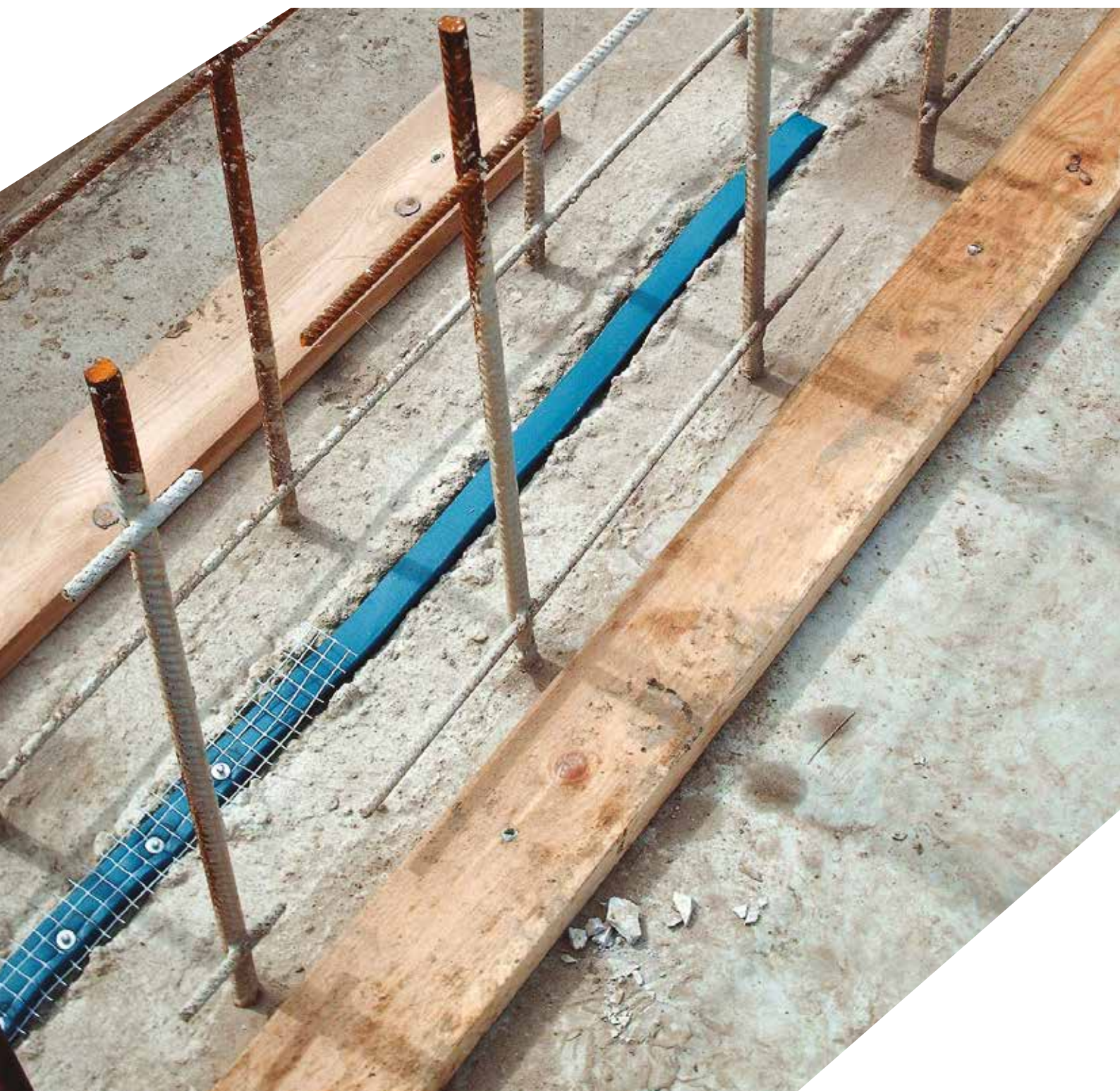


Plaka Colmarub

Hydro expansive bentonite strip



Leviat®

We imagine, model and make engineered products and innovative construction solutions that help turn architectural visions into reality and enable our construction partners to build better, safer, stronger and faster.

Leviat is a world leader in connecting, fixing, lifting and anchoring technology.

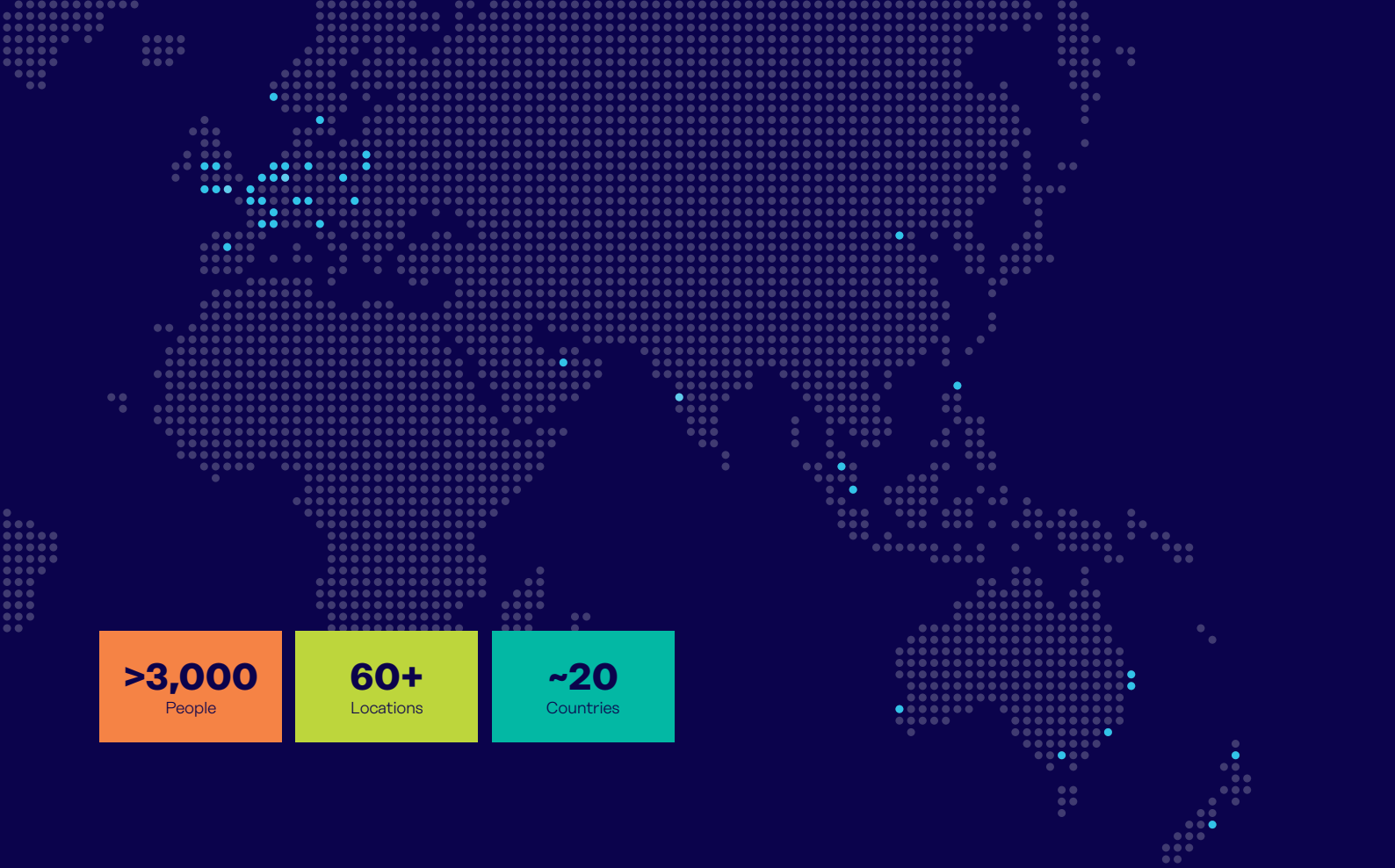
From the build of new schools, hospitals, homes and infrastructure, to the repair and maintenance of heritage structures, our engineering skills are making a difference around the world.

We provide technical design assistance at every stage of a project, from initial planning to installation and beyond.

Our technical support services range from simple product selection through to the development of a fully customised project-specific design solution.

Every promise we make locally, has the commitment and dedication of our global team behind it. We employ almost 3,000 people at 60 locations across North America, Europe and Asia-Pacific, providing an agile and responsive service worldwide.



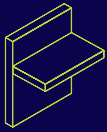


>3,000
People

60+
Locations

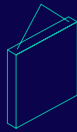
~20
Countries

Our areas of expertise:



Structural Connections

Systems to form robust, efficient connections, and continuity of concrete reinforcement as necessary, between walls, slabs, columns, beams and balconies, providing structural integrity as well as enhanced thermal and acoustic performance.



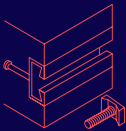
Lifting & Bracing

Systems for the safe and efficient transportation, lifting and temporary bracing of cast concrete elements and tilt-up panels before permanent structural connections are made.



Façade Support & Restraint

Systems for the safe and thermally-efficient fixing of the external building envelope, including brick and natural stone, insulated sandwich panels, curtain walling and suspended concrete façades, and also the repair and strengthening of existing masonry installations.



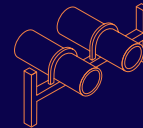
Anchoring & Fixing

Systems for fixing secondary fixtures to concrete, including anchor channels, bolts and inserts; also tension rod systems for roofs and canopies.



Formwork & Site Accessories

Non-structural accessories that complement our engineered solutions and help keep your construction environment operating safely and efficiently, including moulds for casting standard and special concrete elements and construction essentials such as reinforcing bar spacers.



Industrial Technology

Mounting channels, pipe clamps and other versatile framing systems that provide safe fixing in a wide range of industrial applications.

Leviat product ranges:

Ancon | Aschwanden | Connolly | Halfen | Helifix | Isedio | Meadow Burke | Modersohn | Moment | Plaka | Scaldex | Thermomass

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



Bentobject + 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: ± 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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