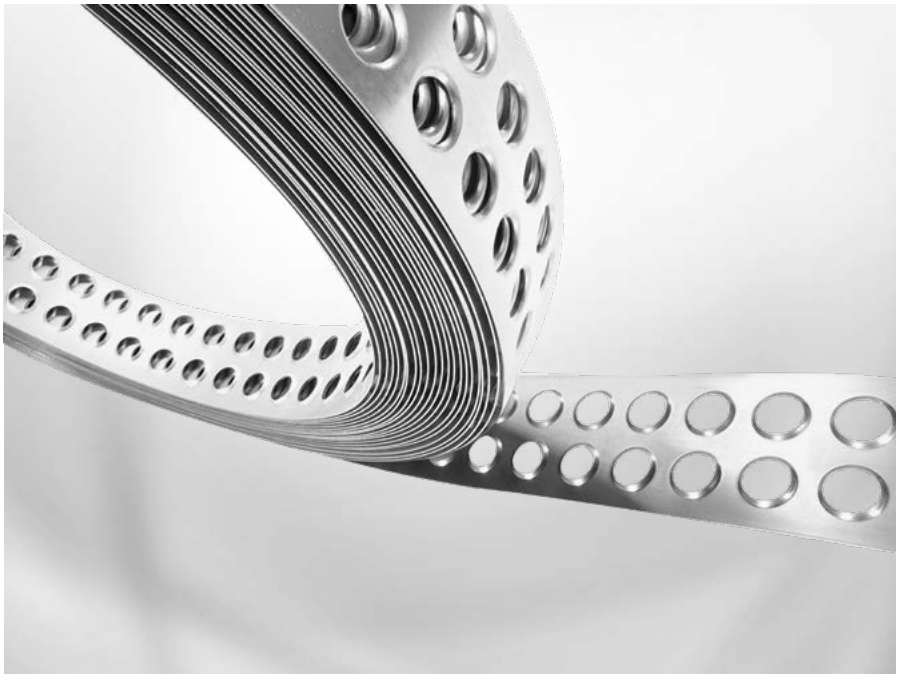


Deutsches Institut für Bautechnik DIBt

General Type Approval Z-17.1-603

MOSO® perforated strip

MOSO® perforated strip – Reinforcement from the reel

The MOSO® perforated strip was developed to realise self-supporting lintels over door and window openings.

Another key area of application is constructive crack safeguarding, to secure buildings permanently against unsightly visible cracks, minimise warranty claims, and - above all: to make bricklaying as easy as possible.

▲ MOSO® perforated strip on the reel

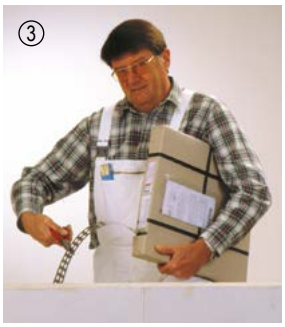
Use and application

- Approved self-supporting lintel reinforcement
- Wall connection from masonry wall to masonry wall
- Crack safeguard at window and door openings, vertical walls with point loads, and connected structural components of different heights.

Easy to use

▲ Convenient on-site transport

▲ Simply pull it out of the box...

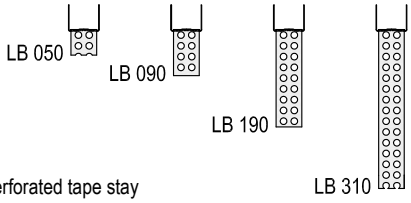


▲ ... cut with plate shears…

▲ ... and push into the mortar. Finished!

	Lintel reinforcement acc. to Z-17.1-603	Constructive crack safeguard			
Perforated strip length	E 420 (high-tensile stainless steel)	E 235 (stainless steel)	Steel (galvanised)	Thin bed stainless steel	Thin bed steel (galvanised)
	Item no.	Item no.	Item no.	Item no.	Item no.
25 m (box)	600500	600300	600100	600200	600250
50 m (box)	600510	600310	600110	600210	600260
100 m (box)		600320			

Perforated tape stay	Packaging unit	Item no.
050 (heading course)*	100 pieces	600660
090 (upright course of bricks)	100 pieces	600600
190 (brick-on-edge course)	100 pieces	600610
310 (1.5 times brick-on-edge course)*	50 pieces	600650



Perforated tape stay

* not part of the approval

Mounting accessories (applications - see assembly instructions)	Packaging unit	Item no.
Rear anchor bracket for transmission of force in the pressure zone	100 pieces	600620
Round bar 4 x 250 mm for pinning of brick courses	100 pieces	600630

MOSO® perforated strip as constructive masonry reinforcement

With MOSO® perforated strip type 50 E 235 stainless steel or type 50 galvanised.

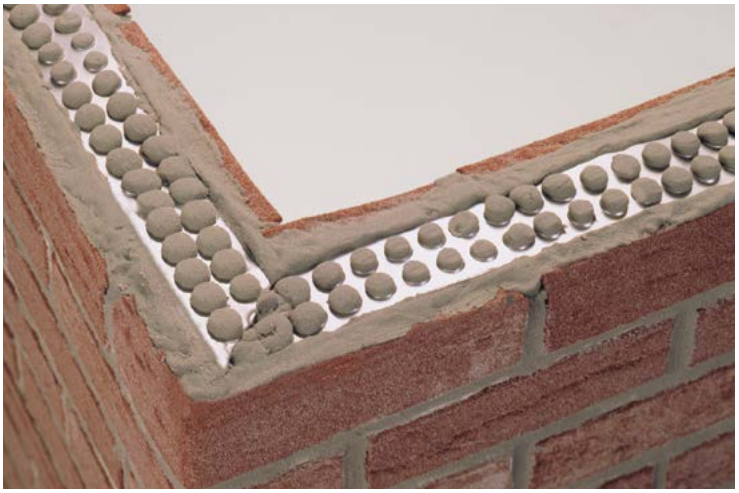
Use and application

Crack formation in the brickwork cannot be ruled out, especially for certain masonry components. While they generally have no impact on structural stability, they often constitute a visual and functional defect.

Crack formation can be prevented by inserting the 5 cm wide MOSO® perforated strip into the brickwork. The use of constructive reinforcement as a crack safeguard is not subject to any regulation by the construction authorities or any DIN standard.

Please see the examples on this page for information on the use of the perforated strip.

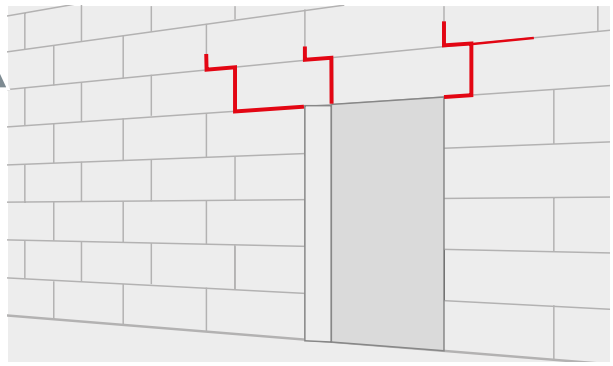
Use the MOSO® perforated strip type 50 E 235 **stainless steel** for exterior and facing masonry, as well as other areas prone to corrosion.



▲ MOSO® perforated strip in a mortar bed as constructive reinforcement when laying bricks

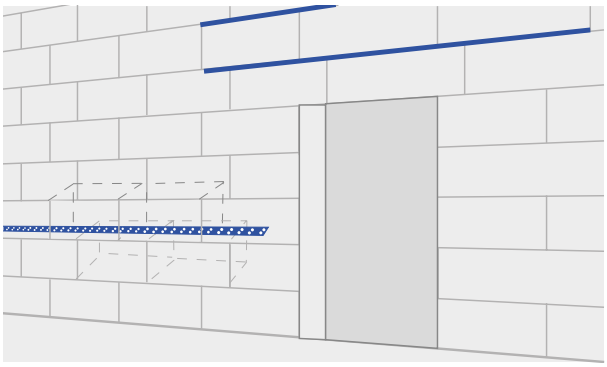
Brickwork components subject to pressure

Crack development

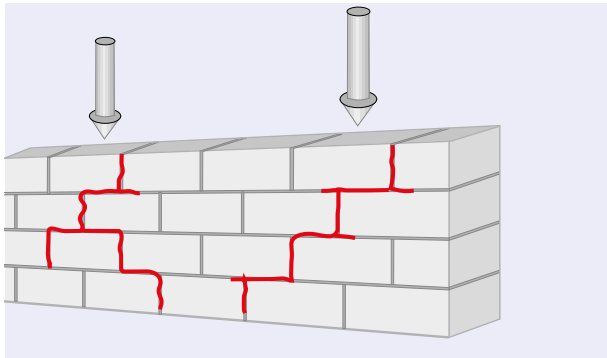


▲ Corner areas of openings through line tension and/or shrinkage stress

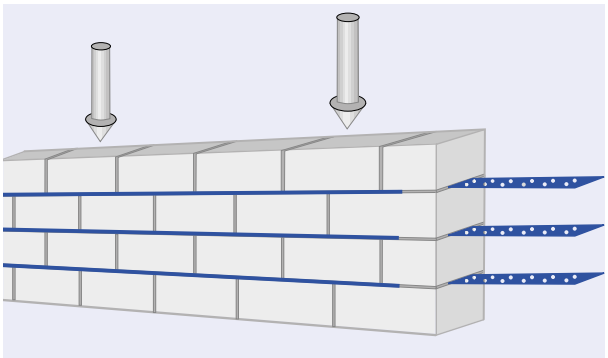
Recommended reinforcement arrangement



▲ MOSO® perforated strip minimises shrinkage cracks



▲ Individual loads (e.g. through steel girders) create peak stresses



▲ MOSO® perforated strip minimises peak pressures

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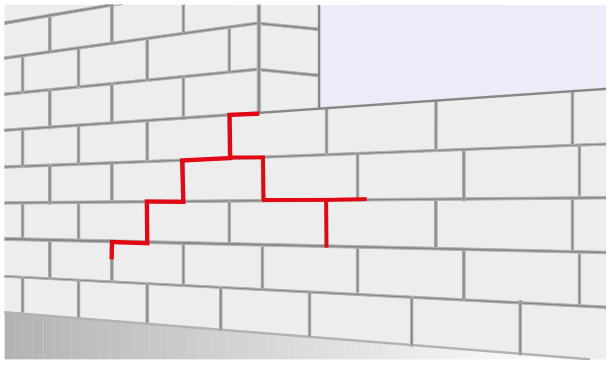
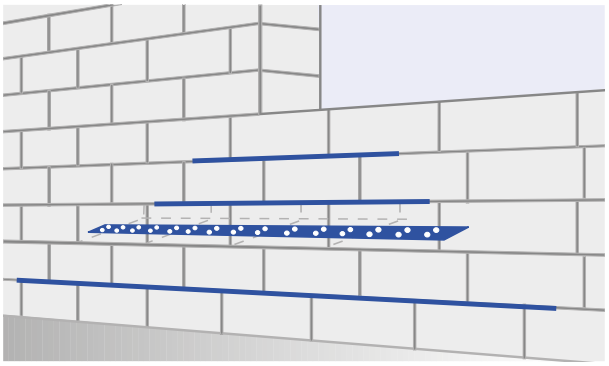
Brickwork components subject to pressure

Crack development

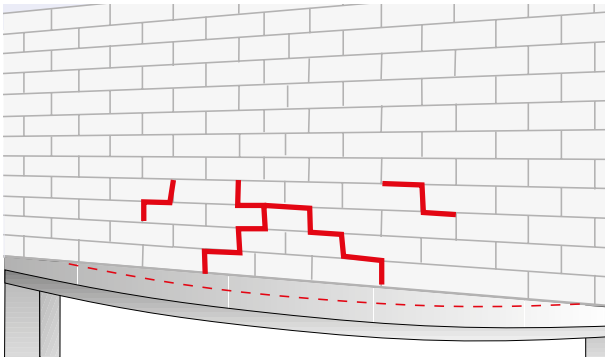


▲ Changes in component dimensions trigger line tension and shrinkage stress

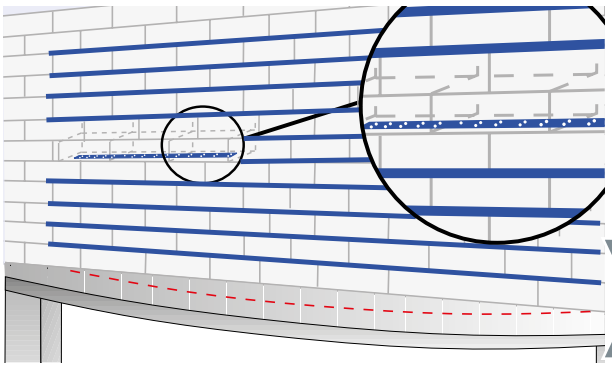
Recommended reinforcement arrangement



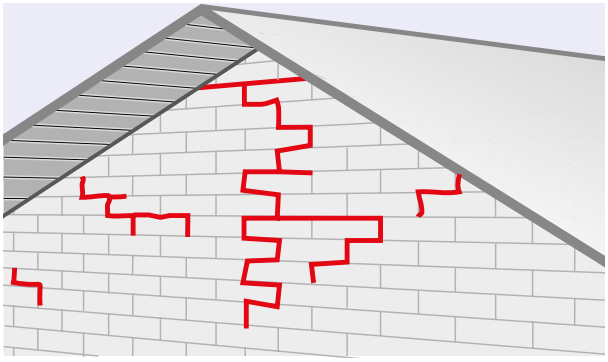
▲ MOSO® perforated strip minimises line tension cracks



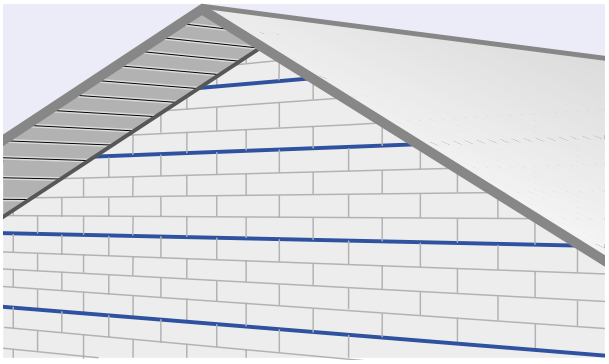
▲ Partitions deflect ceilings



▲ Tensile stress due to a sagging ceiling is minimised by the MOSO® perforated strip



▲ Temperature differences in gable walls, infills and veneers create different tensions



▲ Tensile stress due to temperature differences is minimised by the MOSO® perforated strip