

CLIMATE JOINT



Hard and firm joint



Frost and UV resistant



Weed-free

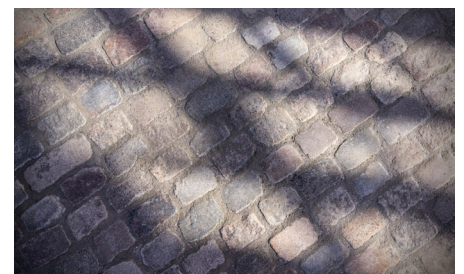
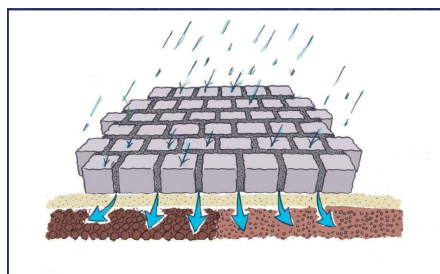


Highly permeable



For heavy traffic

An ideal joint material for areas with light to heavy traffic, with varying joint widths, and where a highly permeable and strong joint is desired - free from weeds.



LITHOMEX

- binds every stone together

Technical data

2-component strength joint

Strength: 50 Mpa
Density: 1.7 g/cm³

Applications

Areas with heavy traffic.
On bonded* and unbonded base construction.

Colours



Functionality

Hardens to form a solid, weed-free, and highly permeable joint.
Resistant to suction/sweeping machines.

Jointing**

Jointing with Climate joint must be done in dry weather and between 5°C and 25°C. Be aware of night, soil and material temperatures.

Shelf life

Climate joint-binder is stored dry, sun-free and frost-free for up to 12 months. Quartz sand is stored dry and has an unlimited shelf life.

Joint width

From 8 mm

Joint depth

Min. 2x joint width, but min. 30 mm
Min. half stone height for traffic loads.
If the joint depth exceeds 75 mm, contact Lithomex

Hardening

+10°C halves the hardening time.
-10°C doubles the hardening time.

* The bottom build-up must be able to drain water away unhindered.
If an expansion joint or similar is used, it must be 1:1 in the pavement.

** Jointing with Climate joint will leave a thin film on the pavement. This film will wear off over time with normal use of the pavement. Climate joint is not recommended for ceramic tiles or sandstone, as the film from the joint is difficult to remove on these surfaces.

How-to guide

BEFORE JOINTING



Always start with a small area to see how the pavement responds to the joint.

Set the stones according to the instructions. Clean the pavement of residue and dirt that can have a separating effect.

Place quartz sand in a forced action mixer and start the machine. Then add Climate joint components A & B simultaneously and let the machine run until the joint material is uniform, approx. 5-8 minutes. NOTE! Do not add water.

Containers must be completely empty, as the mixing ratio is adapted to the size of the containers.

Remember protective equipment
- read the product's safety data sheet.



The ready-mixed mortar is poured onto the pavement surface and carefully worked into the joints with a squeegee.

To maintain the moist consistency of the mortar throughout the process, finish a smaller area at a time.

After approx. 10-15 min. at 20°C, sweep the pavement clean. The joint should be firm but not hard. Sweep diagonally across the joints with a soft broom. If you sweep too early, the joint is taken along.

Excess residue can NOT be recycled.

DURING JOINTING



ATTENTION! Clean the forced action mixer thoroughly with water. Clean shoes (soles are most important) and tools regularly with a dry broom.



How-to guide

AFTER JOINTING



The jointed area can be walked on after 12-24 hours, depending on temperature, and is hardened after approx. 4 days, depending on temperature. (In dry weather and around 20°C).

Lower temperatures extend the hardening period and the jointed area must not be exposed to frost during the entire hardening period.

Do not expose the joint to water or dirt for the first 12-24 hours! Water can result in white spots on the pavement. Dirt can get stuck to the pavement. Both stains and dirt can be difficult to remove.

Any covers must allow air to circulate.

ATTENTION! A thin film will form from the adhesive on the stone surface. This film wears off over time with normal use of the pavement. Climate joint is not recommended for ceramic tiles or sandstone, as the film from the joint is difficult to remove on these surfaces.



Watch the video guide for Climate joint L50



Try our joint material calculator



Find inspiration in our FAQ



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