ResinBau

InjectCream

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Technical Instructions

Silane-siloxane injection cream

InjectCream injection cream prevents the upward movement of moisture in fired / unfired / mixed / foundation blocks / hollow bricks: slag, aerated concrete / perforated brick / clinker / sandstone walls.

Properties

- **Effective in structures with moisture levels of up to 95%**
- Cuts off capillary water transport
- Fast and easy application by pressure and non-pressure method
- Does not negatively affect water vapor permeability
- Penetrates deeply and perfectly into the substrate
- Ready for use

Areas of use

- Horizontal injection inside and outside buildings
- Brick / clinker / concrete blocks / stone walls / hollow bricks

Product technical data

Base	silane
Consistency	cream
Color	white / transparent when dry
Density [g/cm³]	0,88
The content of the active substance	80%
Application / substrate temperature [°C]	+5°C to +30°C

Optional additional products

- Drill bit 12/14
- Pump/compressor for blowing out holes
- Injection pump for creams
- ResinBau CrackOn.5 - mortar for closing injection holes

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Approximate usage for solid brick walls

Wall thickness [cm]	Drilling depth [cm]	Injection hole diameter [mm]	Use the cream for one hole [ml]	Use the cream for one hole [g]
24	22	12	**25**	22
24	20	14	**31**	27
36	32	12	**36**	32
36	32	14	**49**	43
42	38	12	**43**	38
42	38	14	**58**	51
60	56	12	**63**	56
60	56	14	**86**	76

The graphic shows:

- *Horizontal insulation - single row*

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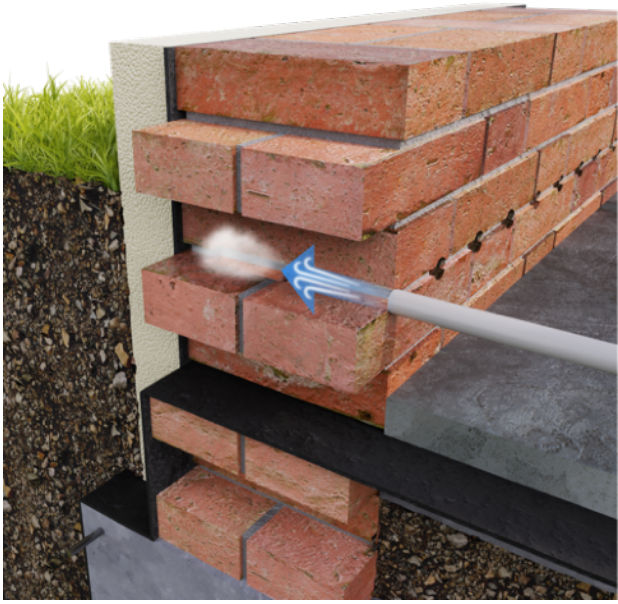
Preparatory work

- Determine the cause of the wall's moisture (most commonly the lack of horizontal insulation and capillary rise)
- Repair any leaks in gutters, linear drainage, etc.
- Injection with injection cream serves to prevent capillary rise, but does not protect against water infiltration
- If there were plaster on the wall, it should be removed to the height of moisture plus 80cm. Use renovation plaster and vapor-permeable paints! Ensure adequate ventilation of the rooms.

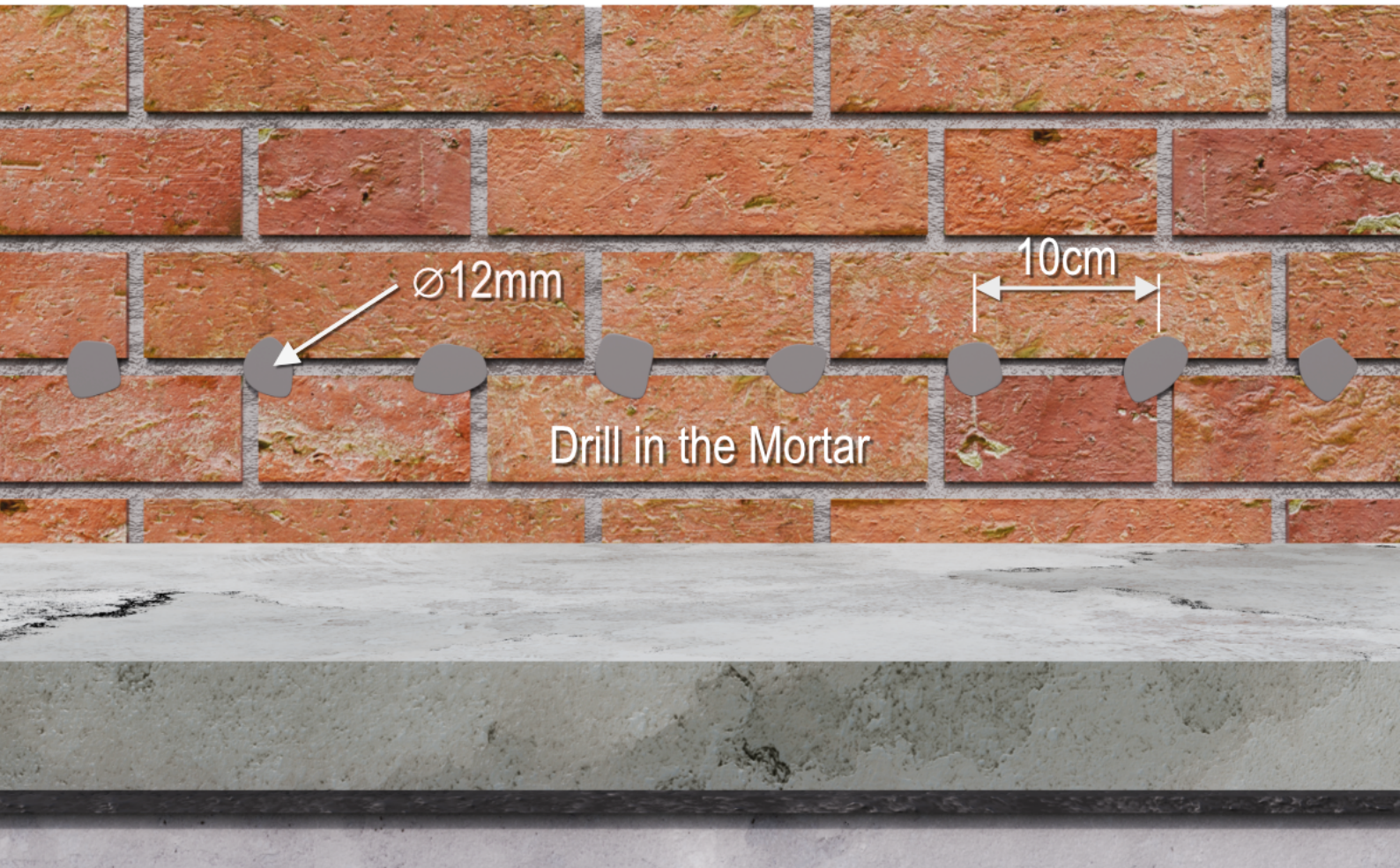
Injection Holes

- **Drill in the lowest mortar joint**
- Recommended injection hole diameter is ⌀12-14mm
- Drill perpendicular to the wall for "horizontal" injection
- The depth of the hole is the thickness of the wall minus 2-4cm
- Drill every 10cm
- For walls with low absorbency, we suggest using a double-row injection (8-10cm row above with horizontal offset).
- The holes should be blown out with compressed air.



The graphic shows:

- *Arrangement of holes for ResinBau InjectCream*



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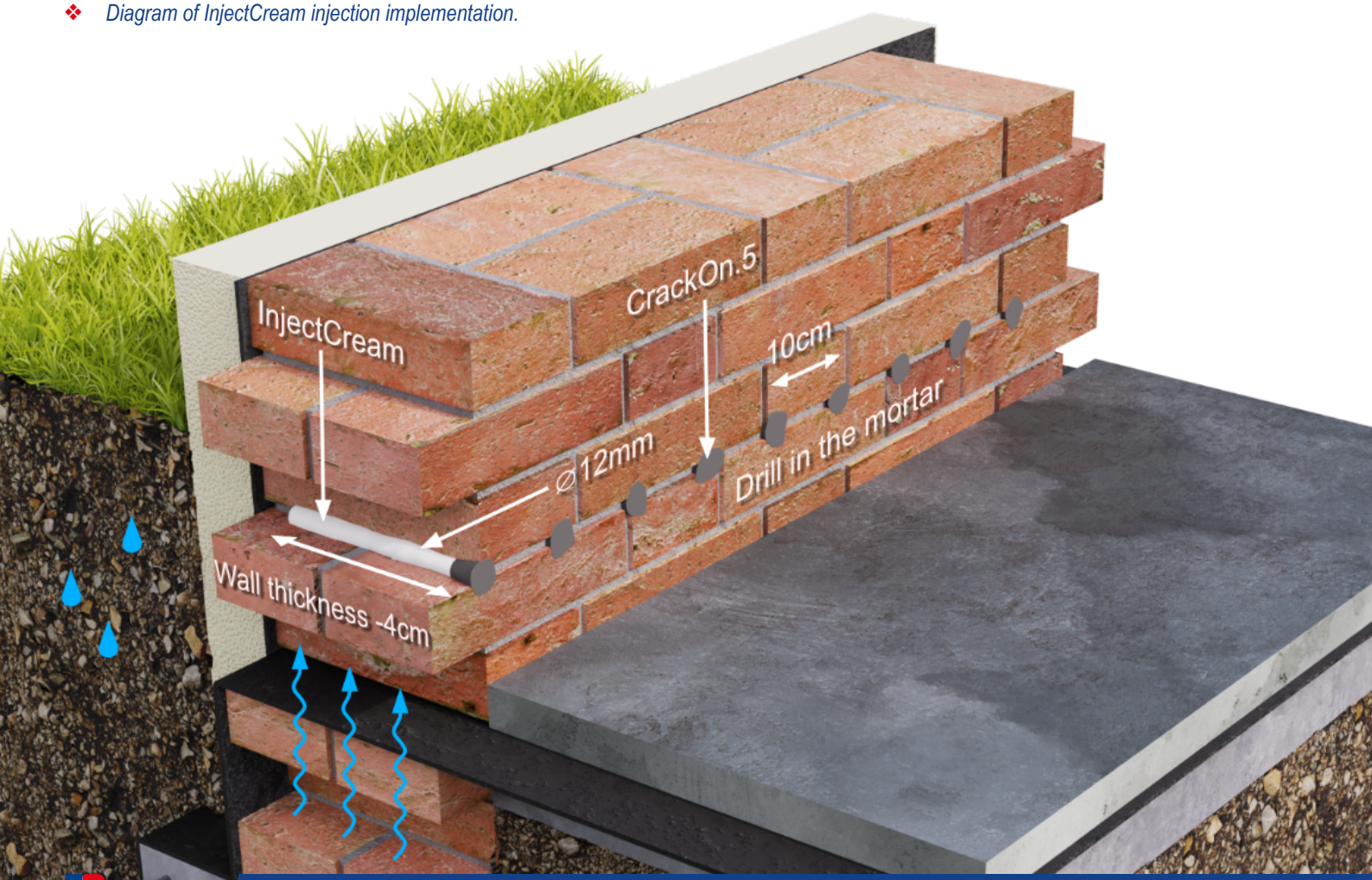
Application method

- The temperature of the material, surroundings, and substrate should be within 5°C to 30°C.
- The material is ready to use.
- The material should be injected using a manual/pneumatic pump and a nozzle (a tube with a diameter of ⌀10-12mm and length of the drill hole). Insert the tube to the full depth of the drill hole and inject the cream while slowly pulling the tube out to achieve complete and even filling of the drill hole (this way, you eliminate an air pocket that would occur when injecting the cream under pressure).
- After filling the hole, close the hole with ResinBau CrackOn.5 mortar and level the surface.

The graphic shows:

- *Diagram of InjectCream injection implementation.*



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Operation description

ResinBau InjectCream injection cream acts as a waterproofing insulation by cutting off the capillary transport of water in walls, penetrating deep and creating a waterproof barrier. It is effective even in constructions with a degree of moisture of up to 95%.

The cream is applied by injection, which involves introducing it into the wall through drilling holes. The cream fills the holes and then reacts with the moisture in the wall, creating a stable and durable waterproof barrier. The duration of the ResinBau InjectCream injection cream depends on several factors, such as the degree of moisture in the substrate, temperature and humidity, as well as application conditions. However, the insulation effects are typically visible within a few days after application.

The graphic shows:

- *The spreading of InjectCream cream.*

Cleaning after completion of work:

- Clean tools and equipment with warm water (with a possible addition of detergent).

Storage and shelf life:

- Store in a dry place at a temperature of 5°C - 30°C.
- Protect from freezing.
- The shelf life is 6 months from the date of production in the original, unopened packaging.
- After opening, the product's shelf life decreases very quickly.

Safety:

- Wear protective glasses, gloves, and clothing.
- Avoid contact with skin and eyes.
- In case of contact with eyes: rinse thoroughly with clean water and consult a doctor.
- In case of contact with skin: rinse with plenty of water.
- All other information is available in the product data sheet.

The image shows:

- *Correct injection of the corners from the inside.*

The image shows:

- *Correct injection of the corners from the outside.*

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