BKM HZ-C

Highly concentrated injection cream for retrofitting horizontal barriers
technical data sheet

Article-No.: P-001-142 10 kg Plastic bucket
Article-No.: P-001-143 600 ml Tubular bag

Product description

BKM HZ-C Pro is a ready-to-use, highly concentrated, oil-free, silane-based, aqueous injection cream. The injection leads in the masonry, after penetration, to the hydrophobization of the capillaries and penetrates through a special formulation into the finest capillaries. BKM HZ-C penetrates by suction of the masonry and by diffusion into the capillaries of the masonry.

Product advantages

- Tested according to WTA guideline
- Can be used for moisture penetrations of up to 95%
- Solvent free
- Ready for use
- No clogging of capillaries and formation of foreign salts
- Extremely good penetration into the smallest capillaries

Specification

Base :	Special silanes
Color :	white/bluish
Processing temperature :	from + 5°C
Density :	approx. 0,89 g/cm³
Consistency :	pasty, creamy
Active ingredient content :	approx. 83 % (wt. %)
Effect :	hydrophobic
Consumption :	depending on wall thickness (see back page)

Application areas

BKM HZ-C is used for subsequent injection against capillary rising damp and is highly effective even at penetration rates of over 95%.
BKM HZ-C has a silane active ingredient content of over 80%.
Due to its cream-like consistency, BKM HZ-C can be applied without extensive preparatory work, such as pre-filling of cavities.

Product application

Substrate preparation

Remove salt- and moisture-damaged plaster to at least 80 cm above the visible moisture damage. Scrape out non-solid, sanding or destroyed joints to a depth of at least 2 cm. Close or level out break-outs and open joints in advance with BKM HS.
Then drill holes with a diameter of 14 mm at intervals of 10 cm horizontally into the bedding joint. The depth of the drilled hole is wall thickness minus 5 cm. Blow out the boreholes with oil-free compressed air, or suck them out. In the case of double-row drilling, a height offset of the drill holes of 8 - 12 cm must not be exceeded.

Processing

BKM HZ-C can be processed both without pressure and in low-pressure processes. Injection is carried out using 1C injection equipment or compressed air syringes with injection lances. Injection into the boreholes is carried out from the rear to the front. To do this, the injection lance is inserted to the end of the borehole and, when the injection gun is actuated, it is slowly withdrawn from the borehole. Make sure that the borehole is completely filled with BKM HZ-C. In the case of two-row drilling, injection starts at the lowest row of boreholes. In the case of very critical substrates, a trial injection can be carried out.

Consumption

Please refer to the **consumption table** on the next page.

It is recommended to include a safety margin of at least 10 % in the consumption.
As soon as BKM HZ-C has penetrated into the masonry or has been absorbed, the boreholes are sealed with BKM HS.
To dry the walls above the injected wall area, make sure that no dense wall paints or coatings are present; these must be removed.
Sufficient drying conditions must be ensured, additional measures (technical drying) may be required.

Depending on the situation of the building component, the damage pattern and the cause, further waterproofing measures must be taken, e.g. subsequent interior or exterior basement waterproofing, application of a diffusion-open pore-hydrophobic plaster, e.g. BKM SP.

Comments

Packaging unit

25 kg Plastic bucket	Art.-Nr. P-001-141
10 kg Plastic bucket	Art.-Nr. P-001-142
600 ml Tubular bag	Art.-Nr. P-001-143
10 x 600 ml Tubular bag package	Art.-Nr. P-001-148
180 kg Barrel	Art.-Nr. P-001-146
800 kg IBC	Art-Nr. P-001-147

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Cleaning the tools
Clean tools and equipment with water immediately after use. The instructions in WTA Leaflet "4-4-04 Masonry Injection" must be observed.

Storage
12 months
(cool, frost-free and dry, +5°C to +25°C in the original container).

Consumption table BKM HZ-C

(approx. data incl. 10% surcharge for material loss)
Processing: Single row in the bearing joint
Drill hole diameter 14 mm
Drill hole spacing 10 cm
Drill hole depth = wall thickness - 5 cm

Bore 14 mm - Distance 10 cm			
Wall thickness cm	**Drilling depth cm**	**Quantity - ml per borehole**	**Quantity -ml per meter**
10,0	5,5	8,5	85
11,5	6,5	11,0	110
12,5	7,5	12,7	127
14,5	9,5	16,1	161
15,0	10,0	16,9	169
17,5	12,5	21,1	211
19,5	14,5	24,5	245
20,0	15,0	25,4	254
24,5	19,5	33,0	330
25,0	20,0	33,8	338
26,0	21,0	35,5	335
27,5	22,5	38,0	380
30,0	25,0	42,3	423
33,0	28,0	47,3	473
36,5	31,5	53,2	532
40,0	35,0	59,2	592
42,0	37,0	62,5	625
44,0	39,0	65,9	659
48,0	43,0	72,7	727
50,0	45,0	76,1	761
52,0	47,0	79,4	794
55,0	50,0	84,5	845
60,0	55,0	93,0	930

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Further information can be found at:

www.bkm-mannesmann.de

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