



## STIGOSIL

### Substance for suspending of the capillary moisture flow

Areas of application	STIGOSIL is intended for the protection of walls from capillary rise of moisture in damp and perishable tile walls, water-absorbing stone (lime stone, dolomite), old dilapidated concrete, etc. It is applied to structures where there is no horizontal water-repellent protection or is poorly executed and worn out.	
Product description	STIGOSIL is a red liquid, a mixture of alkali silicates with additives.	
Properties	Impregnation properties of STIGOSIL, deep penetration into absorbent building materials and filling pores and capillaries, allow reinforcement of the old walls and reduce their absorbency. It is infused into the wall, respectively, only under the action of hydrostatic pressure. After entry, a chemical reaction creates a waterproof layer that fills pores and capillaries, and thus stops the transfer (lifting) of moisture through the wall. It does not corrode the armature.	
Substrate preparation	From the walls, on both sides, bash the old dilapidated plaster, but also the healthy plaster about 50 cm above the damp line on the wall. Remove all the loose parts, deepen the joints between the bricks 1.5 - 2 cm, and brush the surface. The wall needs to be treated with polymer cement STIGOMAL mortar and waterproof coating STIGOLIT in order to prevent unwanted leakage of STIGOSIL.	
Type of use	<p>On the prepared wall mark the places for drilling the holes. On the length of one meter it takes seven holes with a diameter of 20 - 30 mm to be placed in two rows (zigzagging) 20 – 40 cm above the floor on the outside and inside of the wall.</p> <p>Drill the holes at an angle of 30° and about 5 cm shorter than the wall thickness. Dust the holes. Walls that contain more than 50% of moisture dry before further processing.</p> <p>In the holes set the dispensers and fasten them with STIGOVEZ fast-bound mortar.</p> <p>In the dispensers infuse STIGOSIL to saturation, respectively, until the wall is absorbed. The procedure takes several days (2 – 3 days), depending on the absorbency of the wall.</p> <p>After cessation of absorption remove equipment, close the holes with STIGOVEZ fast-bound mortar, and protect the treated wall on both sides with STIGOLIT waterproof coating.</p>	
Consumption	It depends on the type of building material and the thickness of the wall, porosity, and humidity of the wall. Indicative consumption for a wall 50 cm thick ranges between 10 and 20 l/m <sup>2</sup> .	
Technical data	Density	≈ 1,3 g/cm <sup>3</sup>
	pH value	≈ 11,0
	Specific gas permeability coefficient HRN EN 993-4	2,07 x 10 <sup>-11</sup> cm <sup>2</sup>
	Capillary absorption and waterproofing HRN EN 1062-3	Medium value of capillary water absorption coefficient w = 0,02 kg/m <sup>2</sup> xh <sup>0,5</sup>
	Depth of penetration HRN EN 1504-2, table 4	9,0 mm
	Stigosil complies with the requirements of the norm HRN EN 1504-2, table ZA.1b	
Packaging	Plastic canister of 10 l and 25 l. Barrels of 100 l and 150 l.	
Storage	Store at temp. from +5°C to +30°C in tightly closed packaging. Protect from exposure to direct sunlight. Protect from freezing!	
Durability	1 year in the original factory packaging.	
Security measures	STIGOSIL is irritating! For detailed information see Safety technical sheet.	

We do not answer for any damages which would result from the wrong choice of material or its incorrect application. For all additional information, please contact us at MDK Građevinar d.o.o., STIG office - production facility, Samoborska 328, tel. 01/3456873, fax. 01/3488326, www.stig.hr, e-mail: stig@stig.hr  
Thank you for putting your trust in us!