



STIGOKREM Hydrophobic impregnation

Areas of application	STIGOKREM is a hydrophobic impregnation intended for the protection and prolongation of the service life of new and existing, primarily concrete and reinforced concrete structures (in the construction of bridges, roads, buildings, concrete elements, etc.). It is also suitable for use on other mineral, porous, highly alkaline and dense surfaces.	
Product description	Milky white cream is made on the basis of solvent- free silane.	
Properties	It penetrates deeply into the substrate, even with dense building materials. The pores and capillaries are lined on the inside, but are not filled. This achieves water repellency, and retains vapor transmission. It is resistant to alkalis. It is invisible on the surface and does not create a sticky layer. Significantly reduces the intake of water and harmful substances. It is resistant to freeze- thaw cycles and the action of salt. Provides protection also in small cracks up to 0,3 mm. Thanks to the creamy consistency and thixotropy material loss is almost completely reduced when applied on vertical surfaces. It has a low degree of vaporization.	
Substrate preparation	With new constructions, the most efficient application of STIGOKREM is immediately after building, prior to the utilization beginning. Between concrete works and the STIGOKREM coating should pass at least two weeks, even better, if the works allow, four weeks. The substrate must be dry, cleaned of coarse particles and dust, degreased and without traces of formwork oil. Impairments and cracks bigger than 0.3 mm should be remedied beforehand. Prior to the beginning of works, it is important to protect (cover) the unabsorbing substrates like window glasses, window frames and stools, plastic equipment and etc.	
Application	STIGOKREM is ready for use. It is best applied to larger areas with „airless“ technic (spraying). Apply to smaller areas with a spatula and spread evenly using a brush or roller (from lambskin). The second layer can be applied regardless of the time interval, but is generally not required. Optimal conditions for performing works: substrate and ambient temperature from +5°C to +30°C, relative substrate humidity < 75%, relative air humidity < 85%, dry weather, without strong wind. If it starts to rain during the application, cover the treated surfaces and stop the work. Treated areas must be protected from rain and watering for the next 24 hours. Surfaces that accidentally come into contact with STIGOCREM should, as soon as possible, be cleaned with alcohol or aqueous soap solution. Hardened STIGOCREM is difficult to remove!	
Consumption	Consumption depends on the absorbency and humidity of the substrate, and should be determined by testing on a smaller surface area of the material to be processed. The indicative consumption value is ~ 0.2 l/m ² (max. 0.6 l/m ²).	
Technical data	Color	White
	Density	0,9 - 1,0 g/cm ³
	pH	≈ 7
	Depth of penetration HRN EN 1504-2, table 3	6,0 mm Class I
	Water absorption and alkali resistance, HRN EN 13580	Absorption ratio AR = 5,5 % compared to untreated samples Absorption ratio AR = 9,8 % after immersion in an alkali solution
	Drying speed, HRN EN 13579	Coefficient of drying speed: DRC = 33,1 %, Class I
	Loss of weight after freezing-thawing with the action of salt HRN EN 13581	ΔC = 22 cycles after loss of mass of unimpregnated samples
	Stigokrem complies with the requirements of the norm HRN EN 1504-2, table ZA.1a	
Packaging	1 l bottle and plastic buckets of 2 l, 5 l, 10 l and 20 l.	
Storage	Store in a ventilated and cold place, at temperatures from +5°C to +30°C, in tightly closed packaging. Protect from freezing! Protect from direct solar radiation, heat sources and sparks.	
Durability	1 year in original factory packaging.	
Security measures	STIGOKREM 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!