



## STIGOF OB Hydrophobic impregnation

Areas of application	STIGOF OB is hydrophobic impregnation suitable for mineral and highly alkaline, absorbent and porous building materials: concretes of all kinds, brick walls, roof tiles, walls made of natural and artificial stone on a mineral basis, mineral plasters and coatings, silicate tiles, asbestos cement boards, gas concrete.	
Product description	A mixture of silane and siloxane in an organic solvent.	
Properties	Excellent penetration into mineral substrates, highly resistant to alkalis, the surface changes little or not at all, no coating on the surface, effective on moist substrates, quickly develops water repellency. After application STIGOF OB reacts with moisture in the substrate and creates the active ingredient. The pores and capillaries are lined on the inside, but not filled. This achieves water repellency of the surface, and retains vapor transmission. STIGOF OB successfully extends the durability of the structure by limiting the intake of water and harmful substances into the material. STIGOF OB is not suitable for application on plaster.	
Substrate preparation	The substrate must be solid, clean, free of grease, dusty and dry. If necessary, wash the surface with water jet. Protect windows and other non-absorbent surfaces well before applying STIGOF OB, because the product binds quickly and will be extremely difficult to remove. Inter remove solvent droplets immediately from non-absorbent substrates.	
Application	STIGOF OB is ready for use. The best is to apply it by spraying without too much pressure. Apply in several layers, liberally, wet on wet, until the substrate is saturated. Generally, two applications are enough for all substrates. After applying the first layer, wait for the substrate to absorb and apply a second layer on the still wet one. The optimal temperature for performing works is from + 5°C to + 25°C.	
Consumption	Consumption depends on the absorbency of the substrate, and should be determined by testing on a smaller surface area of the material to be treated. Following are the indicative consumption values:	
	Concrete	0.25 - 0.5 l/m <sup>2</sup>
	Plaster	0.5 - 1.0 l/m <sup>2</sup>
	Silicate tile	0.4 - 0.7 l/m <sup>2</sup>
	Tile	0.4 - 0.7 l/m <sup>2</sup>
	Asbestos cement boards (asbestos cement, eternit)	0.1 - 0.3 l/m <sup>2</sup>
	Natural stone	0.05 - 0.3 l/m <sup>2</sup>
Technical data	Color	colorless
	Density	≈ 0,8 g/cm <sup>3</sup>
	Depth of penetration HRN EN 1504-2, table 3	1,5 mm Class I
	Water absorption and alkali resistance, HRN EN 13580	Absorption ratio AR = 3,9% compared to untreated samples Absorption ratio AR = 9,9% after immersion in an alkali solution
	Drying speed, HRN EN 13579	Coefficient of drying speed DRC = 35,8 %; Class I
	Loss of weight after freezing-thawing with the action of salt HRN EN 13581	ΔC = 21 cycle after weight loss of unimpregnated samples
	Stigofob complies with the requirements of the norm HRN EN 1504-2, table ZA.1e	
Packaging	Plastic bottle of 1 l, plastic canister of 3 l, 5 l, 10 l and 25 l.	
Storage	Store in a ventilated, cool and dry place, at a temperature of + 5°C to + 30°C in good closed packaging. Protect from direct sunlight, heat sources and sparks.	
Durability	1 year in the original factory packaging.	
Security measures	STIGOF OB is easily flammable and 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!		