



STIGOCRYL

Impregnation, O-N bond, additive to mortar

Areas of application and properties	<p>1. Impregnation for surface protection of concrete and other mineral substrates (brick, stone)</p> <ul style="list-style-type: none"> penetrates deeply into the substrate, reduces surface porosity, evens out and reduces absorbency and gives the surface a vitreous glow <p>2. Primer, bonding layer old-new (O-N bond)</p> <ul style="list-style-type: none"> ensures the adhesion of new layers of a material to the substrate, bonds and strengthens particles on the substrate surface <p>3. Additive for preparation of cement mortar or concrete</p> <ul style="list-style-type: none"> improves the mechanical properties of the material (elasticity, strength), reduces porosity 	
Product description	Aqueous dispersion of acrylic polymer, white color.	
Substrate preparation	The substrate must be firm, clean, free of grease, dust-free. From old damaged substrates should be removed the damaged and carbonized layer mechanically or by sandblasting.	
Preparation and use	<p>1. For impregnation for surface protection of concrete and other mineral substrates</p> <ul style="list-style-type: none"> STIGOCRYL should be diluted with water and applied until the substrate is saturated (2 to 3 layers). <p>Mixing ratios (approximate):</p> <ol style="list-style-type: none"> layer STIGOCRYL: water - 1: 4 to 1: 5 layer STIGOCRYL: water - 1: 3 to 1: 4 layer STIGOCRYL: water - 1: 1 to 1: 2 <p>Apply liberally to the substrate with a insulating brush, paint-brush, roller or spray.</p> <p>2. For primer, bonding layer old-new (O-N bond)</p> <ul style="list-style-type: none"> STIGOCRYL diluted 1: 4 with water should be used as a primer before use of waterproofing and other coatings. Apply abundantly on the substrate and with further work continue while the substrate is moist. Dilute STIGOCRYL with water 1: 2 and add to the cement-sand mixture (cement-sand = 1: 1 weight ratio) to a consistency suitable for application with an insulating brush. Thus, use the prepared mass as a bonding layer between the substrate and the new layer of cement mortar or concrete. Apply a new layer to the fresh bonding layer. Dilute STIGOCRYL with water 1: 4 and add cement until a lubricating paste is obtained. Coat the substrate with paste to ensure better adhesion of the cement glaze. <p>3. As an additive for the preparation of cement mortar or concrete</p> <ul style="list-style-type: none"> Dilute STIGOCRYL with water 1: 1 and add to the cement-sand mixture (cement-sand = 1: 1) for making mortar to repair damage exposed to low temperatures. Dilute STIGOCRYL with water 1: 2 and add to the cement-sand mixture (cement-sand = 1: 2) for making mortar for repairing thin-layered damage to walls and floors. Dilute STIGOCRYL with water 1: 3 and add to the cement-sand mixture (cement-sand = 1: 3) for making a thin-layer screed. <p>The optimum application temperature is from + 10°C to + 30°C.</p>	
Cleaning the tools	Wash the tool with water immediately after use. After bonding, hardened material can only be removed mechanically.	
Technical data	Density	≈ 1 g/cm ³
	pH value	≈ 8,0
	Capillary absorption and waterproofing HRN EN 1062-3	Medium value of capillary water absorption coefficient $w = 0,08 \text{ kg/m}^2 \times \text{h}^{0.5}$
	Depth of penetration HRN EN 1504-2, table 4	6 mm
	Stigocryl complies with the requirements of the norm HRN EN 1504-2, table ZA.1b	
Consumption	Consumption depends on the method of use, on the absorbency of the substrate, the method of application and the weather conditions. Indicative consumption: for impregnation one layer 0.05 - 0.15 l/m ² , for O-N bond 0.07 - 0.1 l/m ² , as additive to mortar or concrete 5-20 % on cement mass.	
Packaging	Canister of 3 l, 5 l, 10 l and 25 l.	

Storage	Protect from freezing! Store at temp. from +5°C to +30°C.
Durability	1 year in the original factory packaging.
Security measures	No special security measures. 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!