



## STIGOFLEX

### Waterproofing flexible coating with the ability to bridge cracks

Areas of application	Waterproofing flexible coating for application in low-rise and high-rise building. Used as a final coating for protection of concrete (RC structures, pillars, walls, bridges, tunnels, garages, balconies, terraces, sanitary facilities, etc.) from substance intake, for moisture control and bridging cracks. In places of larger cracks and joints between the floor and the wall, recommended is the installation of armature mesh. Also used for decorative purposes to even out the appearance of the surface after remediation.	
Product description	One-component coating, aqueous dispersion of acrylic polymer with quartz filler and additives.	
Properties	Good adhesion to all building substrates (concrete, brick, wood). STIGOFLEX is waterproof, vapor permeable, and resistant to frost and salt. It is easily applied. It has the ability to bridge cracks up to 2 mm. It can serve as an anti-corrosion protection of reinforcing iron. It is resistant to UV radiation and atmospheric influences.	
Substrate preparation	The substrate must be firm, clean, free of grease, mildew-free, dust-free, and dry (substrate humidity < 80%). From old damaged substrates should be removed the damaged and carbonized layer.	
Preparation of STIGOFLEX	Before use, stir STIGOFLEX manually or with an electric mixer at low speed. If necessary, it can be diluted with water up to 3%.	
Application of STIGOFLEX	Coat with a hard insulating brush or roller, cross- movement (left-right, up-down) in 2 layers. The second layer apply when the first layer is completely dry, after a few hours or a second day (depending on the weather conditions).	
Cleaning the tools	Wash the tool with water immediately after use. After bonding, hardened material can only be removed mechanically.	
Technical data	Volume mass of fresh mixture	≈ 1,3 kg/l
	Capillary absorption and waterproofing HRN EN 1062-3	Medium value of capillary water absorption coefficient $w = 0,02 \text{ kg/m}^2\text{xh}^{0,5}$
	Moisture vapor transmission HRN EN ISO 7783-2	Relative resistance to water vapor diffusion: 1,2 m Class I $S_D < 5 \text{ m}$ (vapor permeable)
	Tearing test (Pull-off) HRN EN 1542	≥ 0,5 N/mm <sup>2</sup>
	Cycles freeze-unfreeze by immersion in a solution of thawing salt HRN EN 13687-1	Without bubbles, cracks and color change.
	Artificial aging HRN EN 1062 - 11	After 1000 h: Without bubbles, cracks, and peeling. Acceptable insignificant color change, loss of luster, and leaching.
Consumption	Depending on the roughness of the base and layer thickness, consumption is about 1,5 kg/m <sup>2</sup> . Approximately 1.3 kg/m <sup>2</sup> for 1 mm thickness.	
	Total coating thickness	
Packaging	Plastic buckets of 2 kg, 5 kg, 10 kg and 20 kg.	
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!