



STIGOELAST Waterproofing elastic coating

Areas of application	Waterproofing elastic coating for exterior walls and floors of basements, for waterproofing under the foundation slab, for bathrooms, for terraces, balconies, swimming pools, tunnels, bridges and for the protection of concrete glazes before ceramic or stone paving. Suitable regarding the health standards for drinking water.	
Product description	Two-component waterproof coating: COMPONENT A – powder mixture of cement, quartz sand and additives COMPONENT B – white acrylic liquid	
Properties	Good adhesion to all building substrates (concrete, brick, natural stone), high waterproof, elasticity, vapor transmission, easy preparation and application. Further works such as gluing ceramic tiles and other floor coverings, may occur 2 to 3 days after application of the last layer. It can serve as anti-corrosion protection of the reinforcing iron.	
Substrate preparation	The substrate must be firm, clean, free of greasy, mildew-free and dust-free. From old damaged substrates should be removed the damaged and carbonized layer. Prior to applying Stigoelast, the substrate should be impregnated with Stigocryl impregnation.	
Preparation of STIGOELAST	In a large dish pour STIGOELAST component B and add STIGOELAST component A with gentle stirring. Stir until the mixture is homogeneous and free of lumps. Leave to stand for about 10 minutes, and then stir again. Such prepared mixture spend within 30 minutes, with occasional stirring during the works.	
Application of STIGOELAST	Apply the first layer of STIGOELAST on a prepared surface. Coat with the insulating brush, crossly (left-right, up-down). The first layer should be rubbed well into the substrate. The second layer can be applied on the same day, and the third layer is performed, when needed, the next day. For more demanding substrates, prone to cracking, install a glass mesh 125 g/m ² in the first layer. The junction between the wall and the floor should also be reinforced with glass mesh or sealing tape. Stigoelast can be embedded also with the syringe machine. After application, STIGOELAST shouldn't be treated with water, but should be protected from the direct influence of the sun and rain. The lowest application temperature is +5 °C.	
Cleaning the tools	Wash the tool with water immediately after use. After bonding, hardened material can be only removed mechanically.	
Technical data	Volume mass of fresh mixture	≈ 1,8 kg/l
	Moisture vapor transmission HRN EN ISO 7783-2	Relative resistance to water vapor diffusion: 2,4 m Class I $s_D < 5$ m (Vapor- transmitting)
	Capillary absorption and waterproofing HRN EN 1062-3	Medium value of capillary water absorption coefficient $w = 0,03 \text{ kg/m}^2\text{h}^{0,5}$
	Freezing-thaw cycles by immersion in a solution of thawing salt HRN EN 13687-1	No distortion, cracks and breakage
	Tearing test (Pull-off) HRN EN 1542	Tearing in the material; 0,82 N/mm ²
	Total coating thickness	~1,5 mm
	Stigoelast complies with the requirements of the norm HRN EN 1504-2, table ZA.1e	
Consumption	For 1 mm thickness = 1,8 kg/m ² . On a flat surface without the laying of glass mesh ~ 2,0 kg/m ² / 2 layers with a brush. For more demanding substrates and laying of glass mesh with a metal trowel, depending on the asperity of the substrate, consumption ~ 3,0 kg/m ² of finished surface. With larger asperity, material consumption increases.	
Packaging	STIGOELAST component A 21 kg + component B 8 l. STIGOELAST component A 13 kg + component B 5 l. STIGOELAST component A 5 kg + component B 2 l.	
Storage	STIGOELAST component A	Protect from moisture!
	STIGOELAST component B	Protect from freezing! Store at temp. from +5°C to +30°C.
Durability	STIGOELAST component A	1 year in the original factory packaging.
	STIGOELAST component B	1 year in the original factory packaging.
Security measures	STIGOELAST component A contains Portland cement which 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!