



TECHNICAL DATASHEET 09-01-22

## StyroFix Universal – white

Fibre-reinforced adhesive for thermal insulation boards

Product:	FRAGMAT STYROFIX UNIVERSAL WHITE is fibre-reinforced cement-based adhesive and Levelling material It provides high initial and final adhesive strength & elasticity It is classified as a GP CS IV W2 rendering mortar according to EN 998-1	
Supplier:	Fragmat Mak Doo Industrial zone - Karposh, Kumanovo, 1300 Part of Fragmat Group Slovenia ( <a href="http://www.fragmat.si">www.fragmat.si</a> )	
Size, packaging:	25 kg/bag; 48bags/pallet	
Application:	Used for the fixing of insulation products white and gray EPS (can be used also for ETICS certified XPS products, mineral wool to the wall - on each mineral-based ) solid brick, concrete or cement plastered etc) surfaces - or applied directly onto the insulation product for the embedding of the fiberglass mesh in an external thermal insulation system.	
Material:	White cement, high quality granulated limestone and special additives.	

Properties	Relevant standards	Technical data
Quantity	Manufacturer's declared value	25kg ( $\pm 1\%$ )/bag
Necessary quantity of water (for mixing)	Manufacturer's declared value	~7,0 - 7,5 liter/bag
Coverage (as an adhesive)	Manufacturer's declared value	~5 kg/m <sup>2</sup>
Coverage (as a base coat)	Manufacturer's declared value	~5 kg/m <sup>2</sup>
Capillary water absorption coefficient	EN 1062 – 3:2008	0.18 kg / (m <sup>2</sup> min0.5)
Adhesion of mortar on concrete substrate Adhesion on EPS Adhesion on XPS	EN ISO 1015 – 12:2016	$\geq 1.4$ N/mm <sup>2</sup> $\geq 0.25$ N/mm <sup>2</sup> $\geq 0.34$ N/mm <sup>2</sup>
Flexural strength	EN 1015-11:2019	4.1 N/mm <sup>2</sup>
Temperature of application (regarding both base surface and ambient)	Manufacturer's declared value	(+)5 – (+)30°C

	<b>EN 998-1</b> <b>General purpose rendering mortar (GP) for external use</b>	<b>Reaction to fire: Class A1</b> <b>Adhesion: 1,4 N/mm<sup>2</sup> – FP: A</b> <b>Water absorption: W2</b> <b>Water vapour diffusion coeff.: <math>\mu</math> 15/35</b> <b>Thermal conductivity: (<math>\lambda_{10, dry}</math>) 0,66 W/mK</b>
--	--	--

**Storage and handling**

Under dry conditions, protected against wetness and moisture. In case of unopened package and the prescribed storage and handling conditions, the expiry date of the product is 6 months after production

**Guarantee, warranty**

In accordance with the current legislations and the conditions of the distributor. The observation of the application rules of the product and presentation of the invoice constitute a prerequisite for possible future warranty claims. Guidelines regarding the planning and application of external thermal insulation systems (ETICS) must be considered.

**Standards, specifications**

EN 1015-11:2020; EN 1015-12:2016; EN 1062-3:2008; EN 1015-11:2019; EN 1745:2020  
In accordance with GUIDELINE FOR EUROPEAN TECHNICAL APPROVAL OF EXTERNAL THERMAL INSULATION COMPOSITE SYSTEMS (ETICS) WITH RENDERING – ETAG 004

**Health and safety**

In accordance with the relevant Safety Data Sheet & DoP: **FRAGMAT- StyroFix UNIVERSAL WHITE**

This datasheet corresponds to our current knowledge, experiences and general information on the subject, but may be revised as new knowledge and/or experience becomes available. It does not imply any legally binding assurance. The product possesses the given technical characteristics. Since all variations of end-using of the product can not be anticipated, the applicator/end-user's responsibility to make sure of the suitability of this product for particular purposes, structures.

This technical datasheet is applied to products sold by Fragmat Mak doo and valid until withdrawal or until modification.

