


	TECHNICAL DATASHEET	 EN 15824
	Greenspan THERMOMASTER AK	

Product:	Greenspan THERMOMASTER AK 1,5 mm Greenspan THERMOMASTER AK 2,0 mm Acrylic, smooth render with a granules size of 1,5 / 2mm.	
Supplier:	Greenspan System Sales Ireland Ltd. Ballyhahill, Co. Limerick, Ireland (www.greenspan.ie)	
Size, packaging:	25 kg/plastic pail. Available in the colours of the colour chart.	
Application:	As a top coat of Greentherm External Thermal Insulation Systems (ETICS) and Greenclad External Render System, it contributes to the protection of the system against weathering and provide a decorative finish. It is also applicable as a finishing layer of properly dried (at least 3-months old) cement plaster inside and outside, above the footing level. Used together with its primer, it provides perfect covering on the whole surface.	
Material:	Ready to use decorative coating based on a mixture of synthetic acrylic resin, aggregates, pigments and water.	

Properties	Relevant standards	Technical data
Density of fresh plaster	Manufacturer's declared value	~1,8 g/cm ³
Coverage (granule size of 1,5mm)	Manufacturer's declared value	~ 2,5 kg/m ²
Coverage (granule size of 2mm)	Manufacturer's declared value	~ 3,0 kg/m ²
Thermal conductivity (λ _{10 dry})	EN 1745	~ 0,83 W/m.K
Surface drying time (20°C, rH: 65 %)	MSZ ISO 1517:1993	~ 12 hours
Drying time (total render thickness)	MSZ ISO 9117:1993	24 - 48 hours (max. 80 % relative humidity)
Adhesion on concrete	EN 1542	0,4 MPa (requirement: min. 0,3N/mm ²)
Water absorption	EN 1062-3	W ₃ - low (requirement ≤ 0,1 kg/m ² .h ^{0,5})
Water vapour permeability		
Classification	EN ISO 7783-2	V ₂ (medium)
Water vapour transmission rate	EN ISO 7783-2	15 g/m ² .day < V ₂ ≤ 150 g/m ² .day
Water vapour resistance factor (μ)	EN ISO 7783-2	< 160
Sd (water vapour diffusion-equivalent air-layer thick.)	EN ISO 7783-2	d = 1,5mm: 0,24 m (0,14 m ≤ V ₂ < 1,4 m)
Sd (water vapour diffusion-equivalent air-layer thick.)	EN ISO 7783-2	d = 2,0mm: 0,35 m (0,14 m ≤ V ₂ < 1,4 m)

Storage and handling

Under dry conditions, protected against atmospheric exposure, especially sun-radiation and other heat sources. Storing temperature is between (+)5°C and (+)25°C, in closed plastic pail. In case of the prescribed storage and handling conditions, the expiry date of the product is 12 months after production. The effectiveness of the algicide is always depend on the local ambient, climatic circumstances, hence its lasting is not predictable exactly!

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. More information regarding the application and restriction of the product can be found on the productlabel at the plastic pail.

Standards, specifications

EN 15824

This datasheet corresponds to our current knowledge, experiences and general informations 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 designer/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 Greenspan and valid until withdrawal or until modification. Since this datasheet may be subject to revision, it is the responsibility of designer/end-user to make sure of possessing the latest version of the datasheet (*see date of issuing). Most recent version of this datasheet can be also accessed under www.greenspan.ie. Modification of the technical datasheet repeals the previously issued versions!

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