

PRODUCT DATA SHEET

Mineral Helastopol 4,5 kg/m²

Elastomeric bituminous membrane surfaced with mineral granules and flexible at -15 °C

PRODUCT DESCRIPTION

Mineral Helastopol 4,5 kg/m² is an SBS modified bituminous roof waterproofing membrane with a weight of 4.5 kg/m². It is reinforced with a non-woven polyester fabric dimensionally stabilised with glass fibre and is flexible at -15 °C. The top surface is coated with mineral granules, which allows the permanent exposure to UV radiation. The underside of the product has a burn-off film for easy torch-application.

USES

Mineral Helastopol 4,5 kg/m² is used as a waterproofing membrane for:

- Balconies and terraces
- Flat or sloped roofs with up to 15 % pitch

Mineral Helastopol 4,5 kg/m² is used as a:

- Cap sheet in a multi-layer roofing system

CHARACTERISTICS / ADVANTAGES

- Decorative mineral granules
- Easy to install by torching method
- Fully bonded
- Very good mechanical properties (tensile, tear, shear)
- Flexible in cold temperatures

APPROVALS / STANDARDS

- CE marking and declaration of performance based on EN 13707:2004+A2:2009 Flexible sheets for waterproofing — Reinforced bitumen sheets for roof waterproofing — Definitions and characteristics

PRODUCT INFORMATION

Chemical Base	Composition Reinforcing material	SBS modified bitumen non-woven polyester fabric dimensionally stabilised with glass fibre	
Packaging	Roll width	1.0 m	(EN 1848-1)
	Roll length	8.0 m	
Refer to current price list for packaging variations.			
Appearance / Colour	Top surface	Mineral Granules	
	Bottom surface	Polyethylene film	
	Top layer colour	Refer to current price list for color variations	
Shelf Life	24 months from date of production		
Storage Conditions	Product must be stored in original unopened and undamaged sealed packaging in dry conditions, away from the elements and at temperatures between +5 °C and +30 °C. Store in a vertical position. Do not stack pallets of the rolls on top of each other, or under pallets of any other materials during transport or storage.		

Always refer to packaging.

Mass per unit area	Mass per unit area	4.5 kg/m ² ± 0.45 kg/m ²	(EN 1849-1)
Resistance to Tearing (nail shank)	Longitudinal (MD)	140 N ± 45 N	(EN 12310-1)
	Transversal (CMD)	140 N ± 45 N	
Reaction to Fire	Class E		(EN 13501-1)
Water Tightness	Method B: 24 hours at 60 kPa	Pass	(EN 1928)
Flexibility at low temperature	≤ -15 °C		(EN 1109)
Maximum tensile force	Longitudinal (MD)	400 N/50 mm ± 80 N/50 mm	(EN 12311-1)
	Transversal (CMD)	300 N/50 mm ± 60 N/50 mm	
Elongation at maximum tensile force	Longitudinal (MD)	35 ± 15 [%]	(EN 12311-1)
	Transversal (CMD)	40 ± 15 [%]	

APPLICATION INFORMATION

Ambient Air Temperature	Minimum	+5 °C
	Maximum	+40 °C
Relative Air Humidity	Maximum	80 %
Substrate Temperature	Minimum	+5 °C
	Maximum	+40 °C

VALUE BASE

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0,1 % (w/w).

APPLICATION INSTRUCTIONS

Please refer to Installation Guide

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LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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