

EshaStik

EshaStik Adhesive

Product Data Sheet



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General Information

EshaStik is a moisture curing polyurethane adhesive for bonding insulation materials such as polyurethane/polyisocyanurate foam, phenol resin foam, mineral wool and polystyrene foam to a variety of substrates including AluBase XL, EshaBase and EshaGum vapour layers, Concrete, Timber, primed galvanised or coated sheet steel and/or mineralised bituminised roofing materials.

Bonding on talcum coated substrates is not recommendable.

EshaStik does not contain chlorinated hydrocarbons and organo metallic compounds.

For a comprehensive NBS J31 specification contact Radmat Building Products.

Certificates

BBA Certification No. 15/5282

Directions of application

The substrate must be clean and dry, structurally sound and free from laitance, oils, dirt, moss, lichen and loose materials. If applied to an existing roofing membrane the surface must be quite smooth.

1. Remove the lid from the tin.
2. Puncture a minimum 6mm diameter hole in the bottom of the tin using a screwdriver or similar device.
3. Using an 'S' pattern apply continuous adhesive beads at 300mm centres in the field area of the roof in accordance with the consumption guidelines below. In perimeters and areas of high wind uplift reduce this to 150mm centres.
4. Immediately lay the thermal insulation board into the adhesive and press down to ensure contact.
5. Continue installing insulation boards across the roof in the same manner.

The insulation material must be laid and pressed into the adhesive beads before skin formation.

Do not apply more adhesive than can be covered in 5 minutes.

Carry out periodic checks to ensure the adhesive 'ridges' have been squeezed flat, do this by lifting the insulation material at the border side. This is particularly important with very uneven substrates.

Consumption

The consumption depends on the surface, typically:

- 100 to 300 g/m² depending on smoothness of the substrate and the materials to be bonded. In perimeter and corner zones the adhesive application should be increased to 150 to 450 g/m².
- ProTherm MW (mineral wool) will require at least 300 g/m² in field areas with perimeter and corner zones receiving 400 to 500 g/m².

Setting time

The reaction speed of EshaStik is influenced by temperature, thickness of the adhesive ridges and the substrate type (moisture containing or non-moisture containing).

Setting times on non-moisture containing substrates such as bituminous products are approx. 8 hours at 5 °C or approx. 5½ hours at 23 °C. Setting times on moisture containing substrates such as timber and concrete are approx. 5 hours at 5 °C or approx. 2½ hours at 23 °C.

On dry substrates and/or low humidity substrates the substrate should be moistened.

The minimum processing temperature is 5°C. At low temperatures it is recommendable to heat up the containers in hot water to approx. 50°C (do not boil the product).

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Delivery Conditions

Delivery form

6.5 kg tin, 90 per pallet.

Storage and transport

Storage according to CRP 15-guideline between 5 and 30°C.

Store in a fire safe place and keep away from heat, sparks, open flames and other ignition sources ignition.

Shelf life if stored cool in unopened original packing is 12 months.

PRODUCT DESCRIPTION

Essential characteristics	Value	Units
Appearance	liquid	--
Colour	Brown	--
Odour	characteristic	--
Application Temperature	5 - 30	°C
Temperature Resistance	-30 - 100	°C
Cure Time		
@ 10°C	120	minutes
@ 20°C	60	minutes
@ 30°C	30	minutes
Open Time		
@ 10°C	40	minutes
@ 20°C	20	minutes
@ 30°C	10	minutes
Coverage	30 - 60	m ² can
Boiling point	39	° C
Flashpoint	35	° C
Density (@ 20° C)	1.075	g/cm ³
Viscosity (@ 20° C)	4,400	mPa s
Dry solids	Min 95	%
Organic solvents	± 5	%

This information given in good faith and is based on the latest knowledge available to Radmat Building products Ltd. Whilst every effort has been made to ensure that the contents of the publication are current while going to press, customers are advised that products, techniques and codes of practice are under constant review and liable to change without notice.

For further information on Radmat products and services please call **01858 410372**, email techenquiries@radmat.com or visit our website www.radmat.com

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