

Technical Data Sheet MOY Insulation Adhesive

Description / Use:

MOY Insulation Adhesive is a high-performance single component polyurethane roofing adhesive which has been developed specifically for the bonding of rigid insulation boards to suitable air and vapour control layers (AVCL's).

MOY's Insulation Adhesive reacts with moisture resulting in a foaming reaction which then cures and forms a permanent strong bond that withstands both high and low temperatures.

Benefits:

- Quick and easy to use
- Cold applied
- Strong permanent bond
- Cost effective
- Damp surface friendly
- No solvents or VOC's

Substrates:

Suitable for*:

Suitable AVCL's, tissue faced PIR, RBM & BUR, asphalt, mineral wool and cellular glass.

Substrate quality: The substrate must be solid and in a suitable condition prior to adhering and be able to resist any wind uplift forces.

**Adhesion tests should be carried out prior to uses. Applications only for substrates and materials listed. All others should be tested prior to use. Please contact MOY Technical Services to discuss further.*



Certification:



Packaging:

MOY Insulation Adhesive is supplied in a 6kg rectangular tin, which features a spout for simple pouring.

Application Method:

Poured from tin.

Preparation:

1. Ensure the roof area to be bonded is solid, dry clean and free from ponded water.
2. Do not apply if rain is imminent, remove all ponded water and allow at least 1 hour drying before applying the adhesive.

Application:

The guidelines for application below are for guidance only. Please always refer to the latest MOY recommendations.

1. For partial bonding, apply 4 beads per 600mm wide board for normal use. When bonding in more critical areas i.e. roof perimeters, apply 6 beads per 600mm wide board.
2. Once applied the boards must be pressed into place within 10-15 minutes at 20°C. It is



Technical Data Sheet MOY Insulation Adhesive

recommended to check that the adhesive has fully transferred to the board by carefully lifting a corner to ensure the beads have been squeezed flat.

3. The curing time of the adhesive is dependent upon the temperature and humidity however curing will normally occur within 1 hour.
4. Full bond strength is normally achieved within 24 hours.

Important:

- Do not apply to wet roofs.
- Do not use below 5°C. The adhesive will not cure and no bond will be formed.
- Do not apply more adhesive than can be covered in 15 minutes.

Technical data:

Chemical base	Polyurethane
Viscosity	6,000 - 10,000cps @ 20°C
Specific Gravity	1.10 - 1.20 @ 20°C
Non-Volatile Content	100%
Solvents	None
Flammability	No Flash Point
Colour	Brown
Chemical Resistance	Resistant to water, dilute acids, alkalis and aliphatic oils.
Service Temperature	-20°C up to 120°C
Total Cure Time	@ 10°C - 60 minutes @ 20°C - 30 minutes
Shelf Life	6 months in unopened containers stored in dry conditions between 5°C and 25°C

Coverage rates:

Coverage rates will vary depending on substrate conditions. Accurate coverage rates in a given situation should be determined by on site trials.

The table below provides some approximate guidance only:

Exposure	Number of Strips	Coverage	Coverage per 6 kg
Normal	4 (25g-35g/lin.m)	100 - 150g/m ²	40 - 60 m ²
Roof Perimeters	6 (25g-35g/lin.m)	150 - 210g/m ²	30 - 40 m ²

Storage & Handling:

The product should be stored unopened in a dry condition at a temperature of 5-25°C. This will ensure the stated shelf life. The adhesive will have a limited life once the container is opened.

Disposal:

Information for this product is given in the Safety Data Sheet.

MOY Materials Ltd has taken care to ensure that the information provided in the literature is correct and up to date. However, it is not intended to form any part of a contract or provide a guarantee. Purchasers/intending purchasers should contact MOY Technical to check whether there have been any changes to the information since publication of the literature. Please ensure you have read the hazard labels and material safety data sheet before using this product.