

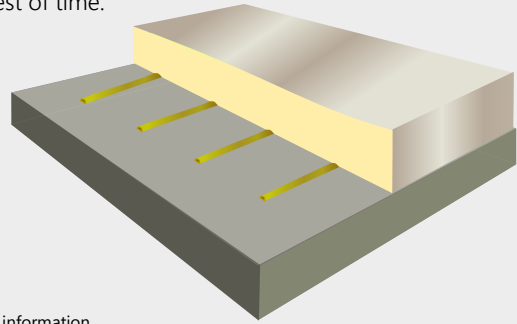
## INSULATION ADHESIVE

Carlisle® Insulation Adhesive was developed for the purpose of allowing for simple and cost effective bonding of flat roofing insulation materials, whilst remaining both environmentally and health and safety friendly as possible.

Carlisle® Insulation Adhesive is extremely versatile, it can adhere a wide range of insulation materials, such as XPS, EPS, PIR, PUR, foil faced, tissue faced and mineral wool\*. All of these materials can be adhered to the wide variety of substrates which are encountered in flat roofing applications such as concrete, OSB, plywood, existing asphalt, bituminous systems and more.

Carlisle® Insulation Adhesive is VOC and odour free, and non-flammable making it the ideal product for sensitive areas of application, where health and safety is of the utmost importance to the client. Due to its water and chemical resistant properties it is the ideal adhesive to ensure a strong, permanent bond that will stand the test of time.

- Propellant free packaging, simple disposal
- No release of volatile solvents to the atmosphere
- Damp surface friendly
- Cold applied
- Strong permanent bond
- Easy application



\*Please note coverage needs to be increased when bonding mineral wool insulation - contact us for more information.

### Adhesive Application Guidelines

- Ensure the roof area to be bonded is solid, dry clean and free from ponded water.
- Do not apply if rain is imminent, remove all ponded water and allow at least 1 hour drying before applying the adhesive.
- Apply beads in 250mm centres for central roof areas. When bonding in more critical areas i.e. roof perimeters, apply beads at 175mm centres.
- Once applied the insulation boards must be pressed into place within 10-15 minutes at 20°C. It is 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.
- The curing time of the adhesive is dependent upon the temperature and humidity however, initial curing will normally occur within 1 hour.

### Important Information

- 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.
- Please read through the product's material safety data sheet prior to use.

### Coverage Rate

Coverage rates will vary depending on substrate conditions. Accurate coverage rates in a given situation should be determined by experiment. However the table below provides some guidance:

Exposure	Bead Centres	Coverage	Coverage per 6kg
Normal	250mm (25g-35g/lin.m)	100 - 150g/m <sup>2</sup>	40 - 60 m <sup>2</sup>
Roof Perimeter	175mm (25g-35g/lin.m)	143 - 200g/m <sup>2</sup>	30 - 42m <sup>2</sup>

## Technical Specification

<b>Chemical Base</b>	Polyurethane
<b>Viscosity</b>	6000-10000cps @ 20°C
<b>Specific Gravity</b>	1.10 - 1.20 @ 20°C
<b>Non-Volatile Content</b>	100%
<b>Solvents</b>	None
<b>Flammability</b>	Non-Flammable
<b>Colour</b>	Brown
<b>Chemical Resistance</b>	Resistant to water, dilute acids, alkalis and aliphatic oils
<b>Min. Application Temp.</b>	5°C (Please ensure deck and materials are frost/ice free)
<b>Service Temp.</b>	-20°C to +120°C

The information presented on this data sheet is not intended as a formal technical specification and should only be taken as a guideline. We recommend that adhesion tests are carried out before application. Should you have any queries please contact our technical department for further assistance.