

## Weplus Insulation Adhesive



### Brief description

Weplus Insulation Adhesive is a high performance, single component polyurethane roofing adhesive, developed specifically for the bonding of rigid insulation boards to a variety of roof decks and vapour control layers. Weplus Insulation Adhesive reacts with moisture resulting in a foaming reaction which then cures forming a permanent, strong bond that withstands both high and low temperatures.

### Material

1-component adhesive

### Properties and advantages

- Easy to apply
- Propellant free packaging
- simple disposal
- no release of volatile solvents to the atmosphere
- cold applied
- strong permanent bond
- easy application
- resistance to water, dilute acids, alkalis and aliphatic oils

### Areas of application

Weplus Insulation Adhesive is extremely versatile. It can adhere to a wide range of insulation materials including XPS, EPS, PIR, PUR foil faced, tissue faced and mineral wool.

Furthermore, these materials can then be adhered to the wide variety of substrates such as concrete, OSB, plywood, existing asphalt, bituminous systems and more.

### Pack size

6 kg containers



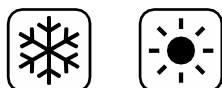
### Colour

Weplus Insulation Adhesive is amber in colour.

### Storage

Store products sealed in their original airtight container and in a cool, dry and frost-free place. Unopened, they have a shelf life of 12 months from the date of manufacture. Direct sunlight on the containers should be avoided, including on site. After removing some of the contents, reseal the containers so they are airtight.

### Application conditions



#### Temperatures

The product can be applied within the following temperature ranges:

Temperature range, in °C		
Air	Substrate*	Material
+5 to 30	+5 to 30*	+5 to 30

\* The substrate temperature must be at least 3 °C above the dew point during application and curing.

#### Humidity and moisture

The relative humidity must be ≤ 90 %.

The surface to be bonded must be solid, dry and free from ponded water.

## Weplus Insulation Adhesive

The surface must be protected from moisture until the adhesive has hardened.

### Reaction times

	Weplus Insulation Adhesive
10°C	60 min
20°C	30 min
30°C	15 min

### Consumption rates

Normal Roof Exposures	0.10 – 0.15 kg/m <sup>2</sup>
Roof Perimeters	0.15 – 0.21 kg/m <sup>2</sup>

### Technical data

Viscosity, 20°C: 600 – 1,000 dPas

### Product application

#### Application equipment / tools

For applying the product:

The adhesive is poured straight from the can in beads.

#### Substrate preparation

The substrate must be clean, dry and all dirt particles removed before Weplus Insulation Adhesive is applied.



#### Application

For partial bonding, apply beads at 150 mm centres for normal roof exposures. When bonding in more critical areas and roof perimeters as determined through wind up-lift calculations for the project in question, apply adhesive in beads at 100 mm centres.

Once applied the insulation boards must be pressed into place within 15-20 min 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.

### Cleaning

When work is interrupted or completed clean the tools thoroughly with Weplus Cleaning Agent within the pot life of the material (approx. 10 minutes). This can be done with a brush. Do not use the tools again until the cleaning agent has evaporated fully.

Simply immersing the tools in the cleaning agent will not prevent the material from hardening.

### Information on safety and risks

Please refer to the safety data sheets for the products used.

### General information

The above information, especially information about application of the products, is based on extensive development work as well as many years of experience and is provided to the best of our knowledge.

However, the wide variety of requirements and conditions on site mean that it is necessary for the applicator to test the product to ensure that it is suitable for the intended purpose. Only the most recent version of the document is valid. We reserve the right to make changes to reflect advances in technology or improvements to our products.

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