



# Insulation Adhesive

TaperedPlus high performance single component polyurethane roofing adhesive has been specifically developed for the bonding of rigid insulation boards to roof decks or vapour control layers. The 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. The adhesive is 100% free of solvents and VOCs and thus is suitable for a wide variety of insulation types from mineral wool to EPS.

- Quick and easy to use
- Cold applied
- Strong permanent bond
- Cost effective
- Damp surface friendly
- No release of volatile solvents to the atmosphere



## Important Information

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

## Method of Use

The adhesive is packed into 6kg containers for simple and convenient application.

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

## Technical Data

<b>Chemical base</b>	Polyurethane	
<b>Viscosity</b>	6000 – 10000cps at 20°C	
<b>Specific Gravity</b>	1.10 – 1.20 at 20°C	
<b>Non-Volatile Content</b>	100%	
<b>Solvents</b>	None	
<b>Flammability</b>	No Flash Point	
<b>Colour</b>	Brown	
<b>Chemical Resistance</b>	Resistant to water, dilute acids, alkalis and aliphatic oils.	
<b>Service Temperature</b>	-20°C up to 120°C	
<b>Total Cure Time</b>	At 10°C	60 minutes
	At 20°C	30 minutes
	At 30°C	15 minutes
<b>Shelf Life</b>	6 months in unopened containers stored in dry conditions between 5°C and 25°C	

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