



PU-I Adhesive

ICB PU-I Adhesive has been formulated for bonding various substrates such as faced roof insulation panels, especially polystyrene, polyurethane and mineral wool on to concrete substrates, profile steel, bituminous, asphalt and timber roof decks. The cured adhesive film has very good resistance to heat and hydrolysis.

RECOMMENDATIONS FOR USE:

ICB PU-I Adhesive should be applied by roller, brush, or beads from the perforated tin to the roof at a coverage rate of 100 to 150 g/sqm (7-10 sqm per/kilo for bead application).

Ridges approximately 5mm in width is generally sufficient. Increase the amount of adhesive at the edges and in corners of roof. The insulation should be laid into the wet adhesive within 5 to 15 minutes, depending on the ambient conditions, and rolled within the next 10 to 20 minutes.

Initial setting at 20 degrees centigrade and 40 to 70% relative humidity is about 30 minutes; final setting takes around 4 hours.

Misting with a water vapour spray can accelerate setting, especially on non-porous substrates.

IMPORTANT

Do not apply more adhesive than can be covered in 15 minutes. Press insulation material into the adhesive while it is still fluid and regularly check that the adhesive transfers to the insulation material by lifting an insulation plate or area. This is particularly important on uneven surfaces.

H&S

For full details please refer to the separate Material Safety Data Sheet for this product.

Substrates must be firm, clean, sound, winddry and free of foreign substances and oils.

Ambient conditions must be considered when using moisture curing adhesives. Temperature and humidity levels will affect the speed of skinning and final set. We do not recommend that the adhesive is applied in temperatures below 5oC.

ENVIRONMENTAL AND WASTE ISSUES:

Cured residues may be disposed of as dry waste.

Liquid residues should be disposed of as hazardous waste.

Residues should be disposed of in accordance with local authority guidelines.

STORAGE:

To ensure safe storage of ICB PU-I Adhesive containers should be well sealed to prevent formation of skin on the surface. The product must be stored at a temperature above freezing. A temperature of 10 – 25oC for not more than 9 months is recommended. Higher temperatures will affect quality and cause the formation of crusts and skins, especially if the containers are not tightly closed or subjected to direct sunlight for long periods.

Appearance:
Brown mobile liquid

Viscosity:
Approx 4500 cPs (@ 20oC)

Solid Content:
100%

Specific Gravity:
1.12 (@ 20oC)

Cleaner:
MEK Solvent (before curing)

Shelf Life:
9 Months (under recommended storage conditions)

Coverage Rate:
Bead Application: Approx 7-10 sqm per/Kg
Brush/Roller Application: Approx 2-3 sqm per/Kg

Storage Temperature:
Between 10°C - 25°C

Temperature for use:
+5°C - rising

