

Roof Insulation Spacer/Packer

Insultrak™ is a roof insulation spacer system designed specifically for use with faced flexible fibre roof insulation materials in over-purlin roof applications.

Insultrak™ is manufactured from a lightweight high density closed cell rigid foam and supplied in standard dimensions as required for the relevant thickness of insulation.

By being used as a packer between the insulation and the roof sheet, Insultrak™ provides the necessary spacing to allow the insulation to attain maximum installed thickness in the application, and significantly reduces backward pressure on the roof sheet or clip system.

Due to the fact that Insultrak™ is manufactured from a highly efficient insulation material, it further enhances the thermal value of the final system and negates thermal bridging which may occur with other types of materials.

Insultrak™ has the following value added benefits:

- Ultra lightweight – adds no mass to the structure
- Excellent thermal value – Thermal Conductivity (K-Value) 0.024 W/m°C
- 100% Closed cell structure – impervious to moisture or water absorption
- High density – 32-36kg/m³
- High compressive strength - 160-310 kPa depending on thickness
- Fire tested and approved for use in the required application
- Can be combined with other approved roof insulation materials to improve thermals

Application Methodology

The Insultrak™ spacers are simply laid over the insulation on top of the purlin before fixing of the roof sheet, or clip system for secret fix roof sheeting. The roof is then fixed down in the standard method applied for the relevant roof sheet with the addition of longer fixing screws to accommodate the packer. Insultrak™ is supplied in standard 3m lengths which are 75mm wide and available in the following thicknesses: 25mm; 40mm and 75mm. Alternative thicknesses may be produced upon request.

Thickness	Compressive Strength	Standard Length	Insulation Thickness
25mm	160kPa	3 metre	50mm - 75mm
40mm	190kPa	3 metre	100mm - 135mm
75mm	340kPa	3 metre	150mm +

Fire Performance

Insultrak™ has been fire tested according to the SANS 428 application test for over-purlin roof insulation systems with an A1 fire rated faced fibre and found not to present a fire risk or support flame spread. (Report available upon request)

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