

# DUO 'EASY FOAM'

## Rapid curing polyurethane adhesive

May 2024

### PURPOSE AND AREAS OF USE:

Duo 'Easy Foam' is a rapid curing, gun grade polyurethane adhesive, specially developed to bond various types of insulation materials on flat roofs.

With 'Easy Foam' it is convenient to bond different types of insulation (PUR, PIR, Rockwool, XPS and EPS) to various types of surfaces:

- Bitumen vapour barrier
- Existing bituminous waterproofing membranes
- Concrete

### TECHNICAL DATA:

Characteristics	Values
Fire class	B1DIN 4102
Base	Polyurethane pre-polymer
Curing	Moisture curing
Type	Glue
Tack free	After +/- 10 minutes
Initial strength	After +/- 30 minutes
Full strength	After +/- 3 hours
Consumption	+/- 10-11 m <sup>2</sup> of adhesive per tin
Thermal conductivity	40 m W/M.K
Compression resistance	30 kPa (at 10% deformation)
Tensile strength	100 kPa
Elongation at break	15%
Shear	80 kPa
Application temperature	Surrounding: 0°C to +35°C Tin: +10°C to +30°C
Temperature resistance	Prolonged: -40°C until +90°C Brief: -40°C until +130°C
Shelf life	9 months (store cool, dry and upright)

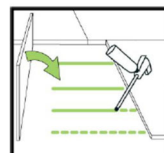
### SURFACE PREPARATION:

The substrate shall be free from dust and grease. It shall be dry and solid. If required, moistening the substrate will speed up the curing time.

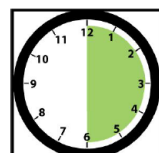
### APPLICATION:

- Shake the tin thoroughly for at least 15 seconds.
- Screw the tin onto the 'Duo Easy Gun' and apply at least 3 vertical beads of foam onto the surface.
- Apply at least 4 beads of foam in corners and at roof edges (see installation guidelines). Can also be applied in serpentine pattern (max 25cm between curbs).
- Press the insulation panels softly onto the beads.
- Ready to be treated after 30 minutes. Full strength after 3 hours.
- Application temperature for the tin: +10°C to +30°C.
- Always keep the tin upright for the most efficient application.

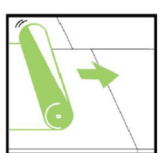
Step 1



Step 2



Step 3



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### HEALTH AND SAFETY:

- Always read the safety precautions mentioned on the tin before use.
- Use only in well-ventilated areas.
- No smoking. Protect eyes and wear suitable protective clothing and gloves.
- Protect surrounding surfaces from splashes.
- Superfluous foam can be removed with 'Duo Easy Cleaner'.
- Cured foam has to be removed mechanically.
- Safety precautions: See safety data sheet.

### WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No
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### MANUFACTURERS CONTACT DETAILS:

Manufacture location	Belgium
Legal and trading name of manufacturer	Soprema New Zealand Limited
Manufacturer address for service	Level 3, Candida Building 4, 61 Constellation Drive, Mairangi Bay, Auckland 0630, New Zealand
Manufacturer website	<a href="http://www.soprema.com.au">www.soprema.com.au</a>
Manufacturer email	<a href="mailto:info@soprema.com.au">info@soprema.com.au</a>
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Manufacturer NZBN	9429050312962