

Flatroof Foam 1010 S Insulation Adhesive

Art.-Nr. 6091 0000



GRÜN 1010 S Flatroof Foam is a singlecomponent, self-expanding polyurethane adhesive for bonding heat insulation panels for flat and sloped roofs.

Suitable for:

- EPS insulation panels
- Polystyrene
- stone wool
- polyurethane panels
- sanded bituminous sheeting

Advantages of Grün 1010 S Flatroof Foam:

- simple and clean application
- lower material consumption
- cost-effective and quick working method
- fast hardening, waterproof and durable against low temperatures
- long-lasting, secure bond
- waterproof, maximum water-absorption is 1 % as a result of its composition
- environmentally-friendly due to absence of CFCs
- smooths out unevenness
- outstanding adhesive properties
- less post-expansion
- B1 EN13501-1
- tested at the Institute of Industrial Aerodynamics Aachen

Application:

The surfaces to be bonded must be dry, stable, fixed, level and clean. Wetting the surfaces with water is recommended before applying the adhesive. Wet substrates that are covered by a film of water and substrates with standing water are not suitable. The optimum temperature of the spray can for the application is 20 – 25 °C. The PU adhesive should be applied to 1 m² of insulation material in 3 horizontal lines that should be evenly spaced from one another. The individually applied lines should have minimum diameter of 30 mm. The edge lines may not be more than 3 – 5 cm away from the edge of the panels to be fixed. Adjustment can take place up to 10 – 15 minutes after application. The precise dosage of the polyurethane adhesive enables less consumption. An insulation layer of 8 – 12 m² can be affixed with the contents of one can. Owing to the variety of applications and working conditions we recommend pretests for all areas of application.

Suitable substrates:

- bituminous surfaces, sanded and unsanded
- Chipboards (coarse + fine)
- Concrete
- Wood
- Brick
- Metal

Technical specifications:

Gross density	12 – 16 kg/m ³
Application/substrate temp.	mind. -5 °C bis max. 40 °C
Can temperature	+5 °C bis +25 °C – optimum +15 bis +25 °C
Non-adhesive time	5 – 10 min bei 18 °C, 60 % rel. humid.
Hardening time	1,5 – 5h, depending on temperature and humidity
Temp.resistance	– 40 °C to + 90 °C
Water absorption	DIN 53428 max. 1 Vol. %
Compressive strength	DIN 53421 0,04 – 0,05 MPa
Tensile strength	DIN 53455 0,15 – 0,18 MPa
Breaking elongation	DIN 53455 15 – 25 %
Heat conductivity	DIN 52612 0,036 W/m K at 20 °C
Filling amount per can	800 ml

Accessories:

Product	Part No.	Figure
PU-Foam Gun with 60 cm lance	9970 0087	

