

Technical data sheet

Insola Smart Foam 4in1 mounting foam, designed for professional use with either a foam gun or a straw applicator

Product description :

One-component polyurethane mounting foam, suitable for use with either a foam gun or a straw applicator. Features fast curing, very low expansion, high yield and a high-quality, fine-cell structure. Good resistance to moisture and mould.

Base	Polyurethane
Curing mechanism	Polymerisation by atmospheric moisture
Density	16 ± 15% kg/m ³
Skin formation time	7 min - 30 mm foam bead
Cutting time	20 min - 30 mm foam bead
Full cure	24 h
Compressive stress at 10% relative deformation (PN-EN 8265:2013-07)	2.5 N/cm ²
Tensile strength (PN-EN 1607:2013-07)	5.2 N/cm ²
Shear strength (PN-EN 12090:2013)	3.6 N/cm ²
Thermal conductivity	0.034 W/(m·K)
Sound reduction index R _{st} , w	60 dB
Temperature resistance of cured foam	(-60 °C to +110 °C)

(*) Values may vary depending on environmental conditions, such as temperature, humidity, etc., and on the surfaces being bonded.

Applications:

The foam is used for installing doors and windows, insulating and securing pipes, filling holes and gaps, and thermally insulating cracks.

Advantages:

- Suitable for use with either a gun or a straw applicator
- Very low post-expansion
- Fast curing – can be cut after 20 min
- Excellent adhesion to many surfaces, including concrete, brick, stone, wood, PVC, aluminium, enamelled surfaces, etc. (except PE, PP, PTFE and silicone)
- Good thermal and sound insulation properties.
- High yield
- Dimensional stability – no shrinkage or expansion after curing

Application Conditions:

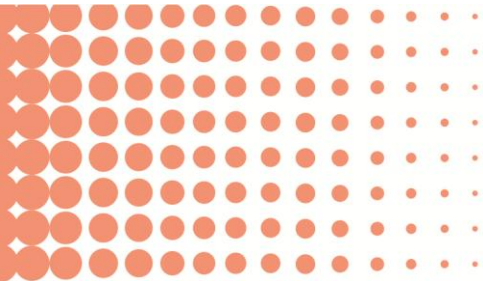
Ambient temperature during application: +5 °C to +30 °C. Best results are achieved at +20 °C. Can temperature during application must be +15 °C to +25 °C, with the best results at +20 °C. Surfaces must be free from dust, loose particles and grease. The cured foam can be painted with solvent-free paints.

Application instructions:

Remove the cap and screw on the gun while holding the can upright. Shake the can vigorously (at least 20 times). Screw on the gun or attach the straw applicator (supplied). Control the foam flow using the gun or straw applicator trigger. Fill gaps to no more than 2/3 of their volume. Moistening the foam before it sets is recommended to improve its properties. If several layers are required, moisten each layer. Shake the can with the gun attached occasionally during use. Use a dedicated foam cleaner or acetone to remove uncured foam and clean the gun. Cured foam can be removed with a dedicated cured-foam remover or mechanically.

Colour:

Light pink



Packaging:

1000 ml aerosol can containing 750 ml; 12 cans per box.

Shelf life in unopened packaging: 18 months.

Storage:

Store and transport cans upright. Store in a cool, dry place at +5 °C to +35 °C. Do not store aerosol cans above +50 °C or in direct sunlight.

Safety precautions:

The product is flammable. Protect from overheating and keep away from sources of ignition. Avoid direct sunlight. Contains isocyanates. May cause an allergic reaction. Wear safety goggles and protective gloves. Ensure adequate ventilation. Keep out of reach of children. Pressurised container: do not pierce or break open, even after use.

Detailed safety information is provided in the Safety Data Sheet (SDS).