



WINTERFOAM GUN

Revision date: 20/02/2005

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Technical data:

| | |
|----------------------------------|---|
| Base | Polyurethane |
| Consistency | Stable foam, thixotropic |
| Curing system | Moisture-cure |
| Skin formation (20°C/ 65 % R.H.) | Ca 8 minutes |
| Drying time (20°C/ 65 % R.H.) | Dust-free after 20-25 min. |
| Curing rate | See remarks |
| Yield | See remarks |
| Shrink | None |
| Post expansion | None |
| Cellular structure | Ca 70-80 % closed cells |
| Specific gravity | Ca 23 kg/m ³ (extruded, fully cured) |
| Temperature resistance | -40°C to +90°C when cured |
| Colour | Champagne |
| Fire class (DIN 4102 part 2) | B3 |
| Insulation factor | 32 mW/m.K |
| Shear strength (DIN 53427) | 17 N/cm ² |
| Pressure strength DIN 53421) | 3 N/cm ² |
| Bowing strength (DIN 53423) | 7 N/cm ² |
| Water absorption (DIN 53429) | 1% Vol |

Product:

Winterfoam Gun with CFC-free propellant is a one-component, self-expanding, ready-to-use polyurethane foam, with propellants, which are completely harmless to the ozone layer. It is applied by a special foam gun and has been developed for applications at temperatures as low as -10°C.

Characteristics:

- Excellent adhesion on most substrates (except Teflon, PE and PP)
- High thermal and acoustical insulation
- Very good filling capacities
- Excellent mounting capacities
- Excellent stability (no shrink or postexpansion)
- Does not slump at low temperature
- Can be applied at frost temperatures
- Very precise application due to the foam gun system
- Functions as a system with Gun&Foam Cleaner

Application areas:

Installation of window- and doorframes
Filling of cavities
Sealing of all openings in roof constructions
Creation of a soundproof screen
Mounting and sealing of window- and doorframes
Connecting insulation materials and roof constructions
Application of a soundproofing layers
Improving thermal insulation in cooling systems

Packaging:

Aerosol can 750mL

Shelf life:

- 12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°.
- Always store can with the valve pointed upwards

Remark: The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments.



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Application:

Shake the aerosol can for at least 20 seconds. Fit the gun on the adapter. Moisten surfaces with a water sprayer prior to application. Fill holes and cavities for 65 %, as the foam will expand.

Repeat shaking regularly during application. If you have to work in layers repeat moistening after each layer. Fresh foam can be removed using Soudal Foam cleaner or acetone. Cured foam can only be removed mechanically. Working temperature -10°C to 30°C. (10°C-25°C recommended can temperature)

Health- and safety recommendation:

- Apply the usual industrial hygiene
- Wear gloves and safety goggles
- Remove cured foam by mechanical means only, never burn away
- Consult the label for more information

Remarks:

- Cured PU-foam must be protected from UV-radiation by painting or applying a top layer of sealant (silicone, MS Polymer, acrylic and PU-sealant)
- Always store can with the valve pointed upwards.

Foam Yield and Curing Time:

Temperature of the can: ca. 18°C

| Temperature of environment | 20°C | 0°C | -5°C | -10°C |
|-------------------------------|------|---------|---------|----------|
| Ready Foam Volume | ±35L | ±30L | ±28L | ±24L |
| Curing Time in joint of 3x3cm | 1 h | 3 to 6h | 6 to 9h | 9 to 12h |

Temperature of the can: ca. 5°C

| Temperature of environment | 20°C | 0°C | -5°C | -10°C |
|-------------------------------|------|---------|----------|-----------|
| Ready Foam Volume | ±42L | ±35L | ±31L | ±25L |
| Curing Time in joint of 3x3cm | 1 h | 4 to 8h | 8 to 12h | 10 to 15h |

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