

TECHNICAL DATA SHEET



DUFFOAM -5°C POLYURETHANE FOAM

DESCRIPTION:

Dufoam is a one-component, moisture cure, self-expanding, ready to use polyurethane foam with a screw top specially developed for an application gun.

Dufoam may be used to seal, fill, bond, reduce sound and insulates with R-5 factor per inch of foam. Dufoam bonds to most construction surfaces and is used for plumbing, electrical, HVAC, refrigeration, sound control, insulation around windows and doors and as an adhesive for sub-floor applications.

CHARACTERISTICS:

- Excellent adhesion to most materials (Except PE/PP)
- High thermal and acoustic isolation
- Very good filling capacities
- Excellent mounting capacities
- Excellent adhesive for sub-floor applications
- Very accurate dosage

PHYSICAL PROPERTIES:

Base: Polyurethane
Consistency: Stable foam
Curing System: Moisture cure
Skin Formation: 10 min. at 20°C/50% R.H.
Drying Time: Dust free after 20-25 min.
Curing Rate: 3 hrs for a 5 cm bead
Shrinkage: None
Post Expansion: None
Cellular Structure: Ca 80 % closed cells
Specific Gravity: 19-21 kg/m³ (extruded)
Temperature Resistance: -40°C to 100°C (cured)
Character of Foam: Thixotropic, does not slump
Fire Class: B2-B3 (DIN 4102 part 2)
Isolation Factor: 0.032 Kcal/m.h.°C (lambda)
Yield (1.6 cm bead): 186 meters

PHYSICAL PROPERTIES (continued):

Breaking Strength: ca 14 N/cm²
Vapour Permeability: 70g/m²/24 hrs (DIN 53429)
Water Absorption: 0.3 % vol. (DIN 53429)

Shelf Life:12 months in unopened packaging in a cool, dry storage place.

SPECIFICATIONS:

Meets CA-25-4
Tested to ASTM E-72
Complies with EPA method 24 and California Air Resource Board method 310
UL Classified, Class 1 rated
Meets CAN/CGSB-51-GP-23M

APPLICATIONS:

- Assembling of window and door frames
- Filling of cavities
- Sealing of all openings in roof constructions
- Creation of a soundproof screen
- Improving thermal isolation in cooling systems
- Sub-floor adhesive

DIRECTIONS FOR USE:

Application Temperature: -5°C to 40°C.

Surfaces must be clean, free of dust and grease. Moistening of the surfaces improves adhesion, curing and cellular structure.

Gun Grade version: Screw can firmly onto Dufoam gun. Holding both the can and the gun, shake vigorously for one minute. Squeeze trigger to dispense foam, and adjust bead size with the regular screw on an experimental surface.

Straw Grade version: Screw straw mechanism to the valve of the can. Shake the can vigorously for one minute. Squeeze the straw mechanism to dispense foam. Adjust the bead size on an experimental surface by applying more or less pressure on the straw mechanism.

Fill cavities only 40 to 50% around windows and doors for an effective seal. For best results, apply a bead of polyurethane foam of 2 cm at the time. Let dry for 20 to 30 minutes before applying another coat. Cured foam may be trimmed or sanded. Cured foam may be trimmed or sanded. If it is to be exposed to direct sunlight, it should be painted.

Application Temperature: -5°C to 40°C.

Excess or spilled foam should be cleaned immediately before cure with Dufoam Gun Cleaner or acetone.

SEALANT COMPATIBILITY:

Dufoam polyurethane foam is compatible to the following sealants:

- Latex Sealant
- Silicone Sealant
- Urethane Sealant

Dufoam polyurethane foam should not be used with any sealant or products that are solvent based.

PRECAUTIONARY MEASURES:

Can under pressure. Protect against direct sun and do not expose to temperatures above 50°C. Do not pierce or burn after use and do not spray towards open fires or glowing substrates.

Wear gloves and safety goggles.

If you need any other information, do not hesitate to contact your technical representative.

IMPORTANT

The information given and the recommendations made herein apply to our products alone and not combine with other products. Such are based on our research and on data from reliable sources and are believed to be accurate. No guaranty of accuracy is made. It is the purchaser's or the user's responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes.