



TECHNICAL DATASHEET

Window and Door gun foam

High quality one-component elastic construction foam with low expansion pressure. Resists vibration, is particularly suitable for narrow and moving joint junctures. Restores its original shape after pressurizing. One-component polyurethane foam is a moisture curing prepolymerized mixture in an aerosol can. Cured foam is a good temperature and sound insulator, and has strong adhesive properties. Adheres well to most building materials, with the exception of Teflon, polyethylene and silicon surfaces. Cured foam is sensitive to UV-light and direct sunlight. Due to elasticity, the fixing characteristics of the elastic foam are smaller in comparison with regular foams.

Field of application

Foam is used for installation of doors and windows, insulation and fixation of tubes, filling of holes and gaps, fixation of wall panels and roof stones, and for thermal insulation. Suits well in places where the elastic features and minimum expansion pressure are relevant – for example: wooden and log house joint junctures, narrow and pressure sensitive joint junctures, etc.

Application conditions

Air temperature during application 40F to 100F

Surfaces must be clean from dust, loose particles and oil before foam is applied.

Cured foam can be painted.

Application instruction

Hold the foam can in upright position, turn the gun to the can by holding the gun handle with one hand, and turn the can with the other hand. Make sure that the gun is not pointed to other persons when turning it. The can must not be screwed to the gun with the valve upside down or by turning the gun on the can. After fixing the gun, shake the can well at least 20 times. The foam output can be adjusted by gun trigger.

Container

29oz cans, 12 per case, 1296 cases per pallet.

Cleaning

Uncured foam can be removed with acetone, cured foam only mechanically.

Technical data

Property	Unit	Value
Tack free time	minutes	10–14
Cutting time (30 mm bead)	minutes	30–40
Completely cured in joint (74F)	hours	max.18
Completely cured in joint (40F)	hours	max.24
Density	kg/m ³	20–25
Fire class of cured foam (ASTME-84)		

Flame Spread		10
Smoke Developed		15
Volume decrease	%	up to 5
Expanding volume	%	up to 30
Flash point of cured foam	°F	752
Tensile strength (BS 5241)	N/cm ²	10
Elongation at breaking point (KRI001)	%	up to 40
Compression strength at 10% (DIN 53421)	N/cm ²	1,5
Thermal conductivity	W/(m·K)	0,034
Sound reduction index R _{S,w}	dB	60
Temperature resistance of cured foam	F	long term: -58F-194F short term: -80F-225F

The values specified were obtained at 74F and 50% relative humidity, unless otherwise specified.

Storage conditions

Can must be stored and transported in vertical position. Store in a cool and dry place. Store at temperatures 40F <122F. Storage life 12 months.

Safety regulations

Can contains diphenylmethane 4,4-diisocyanate. Dangerous when inhaled. Irritates eyes, skin and respiratory organs. Inhalation of gas may cause allergy. In case of eye-contact rinse thoroughly with water and seek medical help. Do not smoke during work! Make sure that there is good ventilation, use protection means when necessary. Keep out of the reach of children. Aerosol can must not be stored at temperatures over 122F and in direct sun.

Detailed safety information is available on safety data sheet (SDS).