

1K Assembly Foam

High performance one-component expanding PU foam



Description

ICFS FOAM 1K is a one-component, self expanding, ready to use polyurethane foam with CFC - free propellants, which are completely harmless to the ozone layer.

Features

- Excellent adhesion on most substrates (except Teflon, PE and PP)
- High thermal and acoustical insulation.
- Very good filling capacities.
- Excellent stability (no shrink or post expansion)
- Excellent mounting capacities.

Application

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



One time use only

Color
Light yellow
Package
Aerosol can 12 pcs in a box
Shelf Life
18 months when seal not opened



Property	Unit	Value
Tack free time	minute	12–16
Cutting time (30 mm bead)	minute	30–40
Completely cured in joint (at +23 °C)	hour	up to 18
Completely cured in joint (at +5 °C)	hour	up to 24
Density	kg/m ³	25–30
Fire class of cured foam (DIN 4102-1)		B3
Volume decrease	%	up to 2
Post expansion	times	2-2,5
Flash point of cured foam	°C	400
Tensile strength (BS 5241)	N/cm ²	11
Compression strength at 10% deformation (DIN 53421)	N/cm ²	3
Thermal conductivity	W/(m·K)	0,036
Temperature resistance of cured foam	°C	long term: -50 to +90 short term: -65 to +110

The values specified were obtained at +23 °C and 50% relative humidity, unless otherwise specified.

HOW TO USE



IMPORTANT NOTE

- Read all instructions and safety information prior to use of any product. The product contains no formaldehyde. Cured foam is non-toxic.
- Contents are under pressure.
- Do not puncture or incinerate.
- Do not place in hot water or near radiators, stoves or other sources of heat.
- Use only in well-ventilated areas.
- Wear impervious gloves, protective eyewear, and suitable work clothes when using.

SAFETY ADVICE

- Keep out of children's reach.
- Keep upright Shelter from direct sunlight. Do not expose to temperatures exceeding 50°C.
- Do not pierce or burn even after use.
- No smoking during the whole spraying procedure.
- For safety reasons, please wear protective gloves as well as goggles before using Spray PU foam, and do not draw them off until the whole procedure is finished.