SFC-12

DOORS & WINDOWS

PU GUN FOAM (-12 C)

RHODE SFC-12 is a single-component PU foam used with an applicator gun and developed for applications in temperatures down to -12 C. It does not contain propellant gases harmful to the ozone layer.

FEATURES & BENEFITS

- **Excellent adhesion & filling capacity and high thermal & acoustical insulation value.**
- **Economical consumption thanks to precise application.**
- **High yield up to 45 liters depending on temperature and humidity.**
- Conforms to fire class B3 according to DIN 4102-1.
- Mould-proof, water-proof and over paintable.

APPLICATIONS

- **Fixing and insulating of door and window frames.**
- **Filling and sealing of gaps, joints and cavities.**
- **Filling of penetrations in walls.**
- **Insulating electrical outlets and water pipes.**

Excellent Performance Up To -12°C

INSTRUCTIONS

- Optimal can temperature is +20 °C. Application temperature is between -12 °C and +30 °C.
- Shake the can well before use. Screw the can onto an applicator gun. The output of the foam can be regulated with the trigger and controlled with the adjustment screw on the back side of the gun.
- Always keep the can upside down during application.
- Fresh foam can be cleaned by **PU foam cleaner** Cured foam can be cleaned barely mechanically.

STANDARDS

Meets or exceeds the requirements of the following specifications:

- The French VOC requirements for class A+
- UL & ULC listed.
- AAMA Verified Component
- The requirements of VOC content specifications in LEED credit EQc4.1 "Low-emitting products" of SCAQMD rule 1168.

RESTRICTIONS

- Storage above +25 °C and below +5 °C shortens shelf life.
- Should be stored and transported in vertical position.
- Should be kept in room temperature for at least 12 hours before the application.
- Cured foam will discolor if exposed to ultraviolet light.
- Paint or coat the cured foam for best results in outdoor applications.

SAFETY

- Contains Diphenylmethane-4, 4'-Diisocyanate.
- Harmful by inhalation. Irritating to eyes, respiratory system and skin. Do not breathe spray/vapour.
- Wear suitable protective clothing and gloves. Use only in well-ventilated areas.
- Pressurized container. Keep away from direct sunlight and do not expose temperatures over 50 °C.
- Do not pierce or burn, even after use.
- Keep away from sources of ignition, no smoking.
- Keep out of the reach of children.

STORAGE AND SHELF LIFE

- 15 months if stored properly.

PROPERTIES

	+5°C	0°C	-5°C	-10°C
Tack-Free Time (1 cm width)	6min.	5min.	5min.	4min.
Cutting Time (1cm width)	45min.	2h	2h	4h

Table: Effect of environment temperature on Tack-Free and Cutting Time properties

Basis	: Polyurethane Prepolymer	
Curing System	: Moisture cure	
Specific Gravity	: 19±3 Kg/ m^3	(ASTM D1622)
Tack-Free Time (1 cm wid	: 6±2 min	(ASTM C1620)
Cutting Time (1cm width)	: 20-45 min	(ASTM C1620)
Dimentional Stability	: 40°C/ 90% RH: +1.6% 30 °C/ 30 % RH: +0.4% -20 °C/Uncontrolled RH.: -1.5%	(AAMA 812)
Cure-Time	: 24 hours	
Foam Colour	: Light yellow	
Closed Cell	: Min. 70%	
UL	: Flame spread: 0 Smoke Development: 0	(UL 723)
ULC	: Flame spread: 10 Smoke Development: 15	(CAN-ULC-S102-10)
Yield	: 30-45 L	(ASTM C1536)
R Value	: ~4.1 per in.	
Expanding Volume	: Up to%30	
Fire Class of the Cured Fo	: B3	(DIN 4102-1)
Thermal Conductivity	: 0,036 W/m.k (at 20°C)	(DIN 52612)
Compression Strength	: 0,03 MPa	(DIN 53421)
Water Absorption	: max. 1 vol%	(DIN 53428)
Can Temperature	: min.5°C max. +30°C	
Temperature Resistance	: - 40°C to +80°C	
Application Temperature	: - 12°C to +30°C	

The results were obtained by providing optimum environmental conditions.

PACKAGING

Product	Weight	Package
SFC-12	850 gr.	12

DISCLAIMER

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