

TECHNICAL DATA SHEET

SX FLAMEGUARD FIRE RETARDANT GUN GRADE EXPANDING FOAM

SX Flameguard Fire Retardant Gun Grade Expanding Foam is a flame resistant, one component polyurethane foam curing by air moisture, applied with a standard foam gun. Flame resistant only in between solid mineralic or metal construction materials. Gap depth and width maximum 40mm. Certified by MPA Bau Hannover ABP-No. P-NDS04-499. SX Flameguard Fire Retardant Gun Grade Expanding Foam has been tested according to the Dutch NEN6069:1997-norm to meet special fire resistance in building systems (related to European norm EN1366-4).

USES

FILLING large, irregular or awkward gaps where the foam will expand to completely fill the cavity. **FIXING** window frames loose tiles and boards. **INSULATING** between brickwork, cladding and. **BACKING** in low expanding joints, can be used as a backing material in all types of sealant applications.

COLOUR: Pink

PACKAGING: Gun Grade 700ml packed 1 x 12

PREPARATION

Ensure surfaces to be treated are free from grease, dust and loose material. **IMPORTANT** - moisten surfaces well before use as this improves adhesion and finished cell structure of the foam.

APPLICATION

METHOD - Shake the can intensively at least 20 times prior to use. Turn the can of foam upside down and fix onto the applicator gun ensuring the threads are lined up. To regulate the flow of the foam loosen the valve at the back of the handle. Only use in temperatures of +5°C to +30°C. **FILLING** – Half fill the cavity and lightly spray the foam with water. The foam will expand to fill the rest. **FIXING** – When fixing window frames use wedges to hold the frame in place until the foam is fully cured – approximately 24 hours.

SX FLAMEGUARD FIRE RETARDANT GUN GRADE EXPANDING FOAM CONTINUED**LIMITATIONS**

Care should be taken to protect surrounding surfaces. Cured foam can only be removed mechanically. When exposed to sunlight apply sealant or render within 7 days as the foam is not resistant to ultra violet light. Not suitable for applications under water. It is the users responsibility to determine suitability.

CARE AND MAINTENANCE

Periodically the foam applicator gun should be cleaned thoroughly. Attach a can of SX PU Foam Cleaner and press the trigger several times until all foam remains dissolve. Never leave the foam gun applicator separated from a can of foam without immediately cleaning the gun thoroughly or replacing with a new can of foam. Always clean the foam applicator gun thoroughly before storing. Do not use a metal hammer to release the can from the gun adaptor thread. If necessary tap gently with a nylon hammer. Do not attempt DIY repairs to the gun.

HEALTH & SAFETY**EXTREMELY FLAMMABLE HARMFUL****CONTAINS DIPHENYLMETHANEDIISOCYANATE, ISOMERS AND HOMOLOGUES**

Extremely Flammable. Harmful by inhalation. Irritating to eyes, respiratory system and skin. Limited evidence of a carcinogenic effect. May cause sensitisation by inhalation and skin contact. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Keep out of the reach of children. Keep container in a well-ventilated place. Do not breathe aerosol. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Wear suitable protective clothing and gloves. In case of accident or if you feel unwell, seek medical advice immediately (show label where possible). Use only in well ventilated areas. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. Contains isocyanates. See information supplied by the manufacturer. Pressurised container-protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from all sources of ignition – No smoking. Build up of explosive mixtures is possible without sufficient ventilation. Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN14387) is used.

PRECAUTIONS

Use in a well ventilated area away from all sources of ignition, including pilot lights. Protect skin during use. Always wear gloves and safety glasses. Wear suitable workwear. Cover carpets and household furnishings before use. Keep out of reach of children. Follow instructions carefully.

SX FLAMEGUARD FIRE RETARDANT GUN GRADE EXPANDING FOAM CONTINUED

LIABILITY

The information given is the result of our tests and experience and is believed to be accurate and reliable. However, as Siroflex Limited cannot know all the uses its products may be put to, it is the users responsibility to determine suitability of use.

STORAGE

Always store and transport UPRIGHT in cool, dry conditions. Do not expose to temperatures above 50°C.

TECHNICAL DATA	DIMENSION	SX FLAMEGUARD GUN GRADE EXPANDING FOAM
Basis		polyurethane
Foam colour		pink
Raw Density	Free foamed	approx. 15 - 20 Kg/ m ³
Tack-free	at +20°C/50% RH	approx. 12 minutes*
Cutting time (Ø 20mm)	at +20°C/50% RH	approx. 40 minutes*
Cured after	at +20°C/50% RH	approx. 85 minutes*
Thermal conductivity (mW/m.K)	DIN 52612	approx. 0.035 W /mK
Sound absorption	Lft 167 31008/Z2	up to 56 dB
Temperature resistance	after curing	-40°C / +90°C
Compression strength at 10% compression	DIN 53421	approx. 3 N /cm ²
Application temperature		+5°C to +25°C (ideal +20°C)
Shelf life	cool, dry, upright	12 months
Fire classification	DIN 4102 – part1	Fire Class B1

RH = relative humidity

*) depending temperature and layer thickness

Full health and safety data information can be downloaded from www.siroflex.co.uk.

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