

# TECHNICAL DATA SHEET

## SX PU GUN GRADE EXPANDING FOAM

An easy to use, Polyurethane based Expanding Foam for general Construction and Home Improvement applications.

**USES:** FILLING large, irregular or awkward gaps where the foam will expand to completely fill the cavity. FIXING window and door frames and boards. INSULATING between brickwork and cladding, around ductwork and through cavities carrying pipes and cables. BACKING as a joint backing material, can be used with all types of sealant.

**COLOUR:** Green

**PACKAGING:** Gun Grade 750ml canister 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 can well before and during use. Turn can of foam upside down and fix onto the applicator gun ensuring that the threads are lined up. Do not over tighten, you should hear the foam connecting with the gun. 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** - fill the hole half full of foam as it will expand and totally fill the hole. **FIXING** - When fixing door and window frames use wedges to hold the frame in place until full cure is reached, approximately 24 hours.

### FINISHING

Can be cut or plastered over when cured. It is the user's responsibility to dispose of all packaging correctly.

**SX PU GUN GRADE EXPANDING FOAM TECH DATA SHEET CONTINUED****LIMITATIONS**

Cured foam can only be removed mechanically therefore care should be taken to protect surrounding surfaces. When exposed to sunlight apply sealant or render within 7 days as the foam is not resistant to ultra violet light.

**CARE AND MAINTENANCE**

NEVER leave the gun separated from a can of foam without immediately cleaning the gun thoroughly. DO NOT use a metal hammer to release the can from the gun adapter thread. If necessary tap gently with a nylon hammer. DO NOT attempt DIY repairs to the gun, return to supplier. Normally the gun should always be left attached to a can foam to ensure that the entire system is enclosed. To re-use simply break the nib of foam at the end of the gun applicator nozzle, shake can and start application. Periodically the gun should be cleaned thoroughly by attaching a can of SX Gun Cleaner and pressing the trigger several times until all the foam remains have dissolved. This operation should be undertaken before storing the gun.

**HEALTH & SAFETY**

**CAUTION    HARMFUL - EXTREMELY FLAMMABLE**  
Keep away from all sources ignition - No Smoking  
Without adequate ventilation formation of explosive mixtures may be possible  
Do not spray on a naked flame or any incandescent material  
Pressurised container  
Do not pierce or burn even after use  
Protect from sunlight and do not expose to temperatures exceeding +50°C  
Cover carpet before use  
Keep out of the reach of children

**IRRITANT**    Contains isocyanates  
Wear goggles and gloves during use  
Harmful by inhalation, irritating to eyes, respiratory system and skin  
May cause sensitisation by inhalation and skin contact  
In case of contact with eyes or skin, rinse immediately with plenty of water and seek medical advice  
In case of insufficient ventilation wear suitable respiratory equipment  
In case of accident or if one feels unwell, seek medical advice immediately (show the can label where possible)

**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.

**SX PU GUN GRADE EXPANDING FOAM TECH DATA SHEET CONTINUED**

<b>TECHNICAL DATA</b>	<b>SX PU GUN GRADE EXPANDING FOAM</b>
Specific Gravity (DIN 54320)	15-19kg/m <sup>2</sup> free foamed, 19-24kg/m <sup>2</sup> foamed into joints
Foam Character	Thixotropic. No slump at vertical joints
Yield	750ml gives approx 30 litres free-foamed at 20°C
Expansion	1:30
Cell structure	60-70% equally closed cells
Tack Free Time	After 15 minutes, subject to temperature and humidity + joint width
Curing Time	1-24 hours, subject to composition, coat thickness and humidity
UV Resistance	Poor
Tensile Strength (DIN 53455)	0,1-0,2 Mpa
Bending Strength (DIN 53423)	n/a.
Shear Strength (DIN 53422)	n/a
Lambda Value (DIN 52612)	0.027 K.cal./mh°C
Flammability Class (DIN 4102)	B3
Application Temperature	+ 5°C to + 35°C
Temperature resistance after curing	-40°C to +90°C
Cleaning	Uncured foam SX Foam Cleaner or Acetone
Shelf Life	12 months
Storage	Cool dry conditions, +12°C to +25°C
Maximum Joint Width	40mm
Minimum Joint Width	6mm

For full health and safety data information, please contact our technical department by telephone or email to [technical@siroflex.co.uk](mailto:technical@siroflex.co.uk)