

Product Description :

SODAFOAM FR with CFC-free propellant is a one-component, selfexpanding, ready to use polyurethane foam with propellants which are completely harmless to the ozone layer. It has a fire rating of up to 229 minutes according to the new European Norm CE 1366-4

Characteristics :

- fire retardant up to 229 minutes (see specific configurations)
- seals against smoke and gas
- does not contain CFC's and HCFC's (Montreal convention)
- excellent adhesive characteristics on most materials (except PE/PP)
- high thermal and acoustical isolation
- high bonding strength
- very good filling capacities
- excellent mounting capacities
- excellent stability (no shrink or postexpansion)
- available in manual and gun grade versions

Applications :

- fire retardant installing of window- and doorframes
- fire and smoke retardant sealings of connections between partition walls, ceilings and floors
- filling of cavities
- all applications where fire retardant characteristics are required such as
 - sealing of all openings in roof constructions
 - sealing of cable- and pipe penetrations in walls
 - creation of a soundproof screen
 - mounting and sealing of window- and doorframes
 - filling of cavities around pipes
 - connecting of isolation materials and roof constructions
 - application of a soundproofing layer on motors
 - improving thermal insulation in cooling systems

Packaging and Colours :

Colours : Red / Champagne
Packaging : Aerosol can of 750 ML net
Qualities : **Firerating : up to 229 minutes to EN 1366-4**

Shelflife :

12 months in an unopened packaging in a dry and cool storage place

SOUDAL

Technical Data Sheet SOUDAFOAM FR Page 2 :

Technical Data :

Base :	Polyurethane
Consistency :	Stable Foam
Curing System :	Moisture Cure
Skin Formation :	10 min at 20°C/60% R.H
Drying Time :	dustfree after 20-25 min
Curing Rate :	2 h for a 30 mm bead
Foam Yield :	1000 ml yields 35-40 l foam
Shrinkage :	none
Postexpansion :	none
Cellular Structure :	ca 70-80 % closed cells
Specific Gravity :	ca 25 kg/m ³ (extruded)
Temperature Resistance :	-40°C until +90°C (cured)
Character of Foam :	thixotropic, does not slump
Fire Rating :	up to 229 – minutes – to EN 1366-2
Insulation Factor :	
Shear strength :	
Pressure strength :	
Bowing strength :	
Water absorption :	

Surfaces :

Substrate :	all substrates except PE, PP
State of Surface :	clean, free of dust and grease
Preparation :	moistening of the surfaces improves adhesion, curing and cellular structure

Application :

Application Method :	aerosol can, shake thoroughly before application
Application Temperature:	+ 5°C until + 30°C
Clean with :	Foamcleaner before curing
Repare with :	SOUDAFOAM FR

Transport Information :

Road :	ADR : aerosol Class 2.5a RandNr 2201
Maritime :	IMDG : Class 2, aerosol UN nr 1950
Air :	ICAO/IATA-DGR : aerosol, Pkg Grp III
UN Number :	1950 Class 2 & 6,1

Labelling :

Symbol :	Xn-harmful, F-easily inflammable
R-Sentences :	20, 42 36/37/38
S-Sentences :	26, 28, 38, 45
contains :	Difenylmethane - 4,4' diisocyanate

others :

Contains Isocyanates. See instructions of the manufacturer. Recipient under pressure. Protect from direct sunlight and do not expose to temperatures above 50°C. Do not pierce or burn after use. Do not extrude towards open fire or hot surfaces. Keep away from ignition sources - do not smoke. Keep out of reach of children. When application is insufficiently ventilated an explosive air-vapour mixture can be formed.

Safety Measures :

- Apply the usual industrial hygiene.
- wear gloves and safety goggles
- remove cured foam by mechanical means only, never burn away !

Remarks :

Always moisten surfaces before application in order to improve curing and cellular structure. Cured PU Foam must be protected from UV radiation by painting or by applying a top layer of sealants (silicone, MS Polymer, etc). Fill cavities only partially (50%) - foam will continue to expand during the curing time.

Remark : The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments.