

Technical Data Sheet

SELFOAM NEW GENERATION B₁ FOAM

1. Product Description

Selfoam New Generation B₁ Fire Resisting Foam is, moisture cured, one component fire retardant filling and insulating material.

2. Properties

- One-component.
- Moisture cured.
- Excellent adhesion to most construction materials
- Thermal and acoustic insulation.
- Does not contain CFC's and H-CFC's
- Cuttable and paintable after curing.
- Can be applied with gun; Easy to use. Not clogged when the application is paused for a short period of time.

3. Technical Information

Chemical Base:	Polyurethane
Curing Mechanism:	Atmospheric Moisture
Density: (SEL DM 31)	27 ± 3 kg/m ³
Skin formation: (SEL DM 61)	4-6 min.
Ready-to-cut time: (SEL DM 35)	15-30 min.
Dimensional Stability: (SEL DM 60)	avg: -0,67 %
Compression Strenght: (SEL DM 111)	43,2 kPa
Tensile Strenght:	104,8 kPa
Fire properties:	B1
Volume Expansion:	45-50 lt (750 ml)

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- Fire resistance according to EN 1366-4:2006 + A1:2010
- 180 minutes Fire resistance without using any backfilling material according to EN 1366-4 under certain condition
- Fire resistance according to ASTM E 814-13A(2017): Standard Test Method for Penetration Firestop System

Fire resistance according to EN 1366-4+A1:2010, Classification according to EN 13501-2+A1:2013

FIRE RESISTANCE CLASSIFICATION	
Foam Reference	Classification
A	EI180-V-X-W10
B	EI180-V-X-W10
C	EI90-V-X-W10 to 30
D	EI90-V-X-W10 to 40
E	EI180-T-X-W10
F	EI180-T-X-W10

4. Application Details

Application Temperature: +5 °C to +35 °C

The application surface must be solid, clean, dry and free of dust, oil and grease.

Surfaces must be moisturized before application of PU foam.

The most suitable tin temperature for use of PU foam is between 20–25°C.

Low temperature cans should be used after storage at room temperature for a period of time (20 min).

Shake the tube vigorously about 30 times before use.

Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates

Do not use in applications where continuous water immersion is possible.

Fresh foam can be cleaned with Foam Cleaner before curing. Cured foam can only be removed mechanically with knife or spatula.

5. Packaging

750 ml – 750 g x 12 per box

Colors

Foam Color: Pale Orange

6. Shelf Life

Store the product in a cool and dry place.

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The shelf life is 12 months at temperatures between +5°C and +25°C.

7. Caution

Keep out of reach of children.

Avoid contact with skin and eyes.

Use in well-ventilated places.

Don't breathe vapors.

Do not smoke when using the product

8. Health and Safety

For more information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety.