

SEALING SYSTEMS
EI 120 - EI 180

DESCRIPTION

The **Tecsel® foam** is a single-component polyurethane substance, self-swelling and highly fire resistant.

In presence of fire, the Tecsel® foam expands, which limits spreading of vapours and avoids growing of temperature in the building rooms.

The foam fire-resistance depends on the size of connections or properties of holes it protects.

TESTS

The **Tecsel® foam** has been tested in compliance with the European Standard **UNE 1366-4, UNE EN 1366-3**, test number **264451** of CIDEMCO according to the British Standard **BS 476: part 20**, with the Belgian Standard **NBN 713.020** and with the Australian Standard **AS 1530.4 and AS 4072.1**.

TECSEL FOAM MONO COMPOSANT POLYURETHANE auto-expansible MAXIMUM WIDTH 30 mm			
Vertical Parament			
Width	Depth	Fill	Classification
10	190	-	EI180
20	190	-	EI120
30	190	-	EI120
10	70	LR	EI120

PROPERTIES AND TECHNICAL SPECIFICATIONS

Basic product	Polyurethane
Consistence	Stable foam
Drying system	Polymerisation due to air humidity
Viscosity loss*	8 min.
Time of drying*	20-25 min.
Time of hardening	2 hours
Contraction	None
Later expansion	None
Cellular structure	Fine, 70% to 80% of closed cells
Density	25 kg/m ³ (after extruding and complete drying).
Range of temperature	-40 °C a +90 °C (hardened).
Rendimiento aproximado	1.000 ml dan 35 - 40 l de espuma (condiciones normales).
Foam properties	Thyrotrophic, does not sink

* Variables, may change depending on such factors as: temperature, layer thickness or substrate. Reference data taken in the following conditions: 20°C and 65% air humidity.

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APPLICATION

The **Tecsel® foam** is a sealing material of excellent adherence to most materials used in the building industry. Do not apply on PP or PE.

Before application of the **Tecsel® foam**, clean the substrate thoroughly. If the substrate cleaning is required, use non-fat solvents. It is recommended to wet the substrate before application to enhance its adhesion and drying.

Before applying the foam, install the tip on the valve and shake for 20 seconds. Keep the container upside down and apply in all directions.

The **Tecsel® foam** is used with joints, openings and open spaces of:

- Door and window frames.
- Openings for cables and pipes.
- Joints between ceilings and walls.
- Fillings between construction elements.
- Thermal insulation in insulation chambers.

The foam excess may be removed mechanically. If it is necessary to remove the **Tecsel® foam** from the porous surfaces, use acetone or its derivatives.

Temperature of application is from 5 °C to 35 °C.

Completely hardened product may be painted (limitations typical for polyurethane).

PRODUCTIVITY AND CONTAINER

The **Tecsel® foam** is supplied as spray container of 750 ml capacity.

Productivity: 1000 ml of product gives 35-40 litres of foam.

STORING

Store vertically in a dry room, in temperature between 5 °C and 30 °C.

Keep away from direct contact with sunlight.

Expiry date: 18 months/18 meses.

INDUSTRIAL SAFETY

Working with the **Tecsel® foam**, follow the instructions:

- Avoid contact with eyes or mucosa. If it gets in contact with eyes, immediately wash them with a lot of water, for at least 5 minutes. If the irritation lasts, seek medical care.
- Use gloves. If the substance gets in contact with skin, wash with acetone.
- If you work in confined spaces, use masks.

The gas contained in the aerosol has no effect on the ozone layer.

Container under pressure, do not punch, expose to high temperature or fire. Protect from sun and do not apply on incandescent materials.