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PRODUCT DESCRIPTION

OCI Construction Foam is a polyurethane based, moisture cured, one component filling and insulation material.

PROPERTIES

- One-component.
- Moisture cured.
- Excellent adhesion to most construction materials such as wood, concrete, tile, metal and aluminum (except polyethylene, silicone and teflon).
- Thermal and acoustic insulation.
- Cuttable and paintable after curing.
- Does not contain CFC and HCFC gases.

PRODUCT INFO

Chemical Base	Polyurethane
Curing Mechanism	Atmospheric Moisture
Color	Orange
Application Temperature	-5 °C to +35 °C
Temperature Resistance (cured)	-30 °C to +80 °C
Fire Resistance Class	B3

TECHNICAL SPECIFICATIONS

Specifications	Result		Method
Joint Foam Density	30 ± 3 kg/m³		SEL DM 135
Foam Yield (600 g)	3,65 m @ 3x10 cm joint 6,84 m @ 4x4 cm joint 12,16 m @ 3x3 cm joint		SEL DM 135
Yield	300-400 g	8-10 L	SEL DM 59
	400-600 g	15-20 L	
	600-700 g	15-25 L	
	700-800 g	25-35 L	
Free Foamed Density	36 ± 3 kg/m3		SEL DM 31
Dimensional Stability	< 5%		SEL DM 60
Post Expansion	160-200%		SEL DM 58
Cutting Time	30-35 min		SEL DM 35
Tack Free Time	7-10 min		SEL DM 61
Sagging	Non-sag @ 5 cm joint		SEL DM 37
Compression Strength	23,3 kPa		SEL DM 111
Tensile Strength	58,2 kPa		SEL DM 110
Shear Strength	35,51 kPa		SEL DM 113
Bonding Strength	6,05 MPa		SEL DM 141
Acoustic Insulation	55 dB		UNE-EN ISO 10140-2:2022.

* All data were obtained at 23 oC and 50% humidity conditions.
* Volume expansion may vary depending on the humidity and temperature of the environment in which it is applied.

APPLICATION FIELDS

- Assembling and sealing of windows and door frames
- Filling of cavities
- Sealing of openings in all roof constructions
- Thermal and acoustic insulation.

INSTRUCTIONS

The application surface must be solid, clean, dry and free of dust, oil and grease.
Surfaces must be moisturized before the application of PU foam.
The most suitable tin temperature for use of PU foam is between 20 and 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.

LIMITATIONS

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.
Should not be exposed to UV and be covered paint or plaster.

CLEANING

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

STORAGE & SHELF LIFE

The product should be stored at dry and cold places.
The shelf life of the product is 12 months when stored between +5°C and +25 °C.

HEALTH AND SAFETY

Keep out of reach of children. Avoid contact with skin and eyes. Use gloves before application. Keep out of freezing, direct sunlight and temperatures above 50°C. Apply in well-ventilated areas. Do not breathe vapor. Do not smoke. Do not expose to open flame.
For more information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing, physical, ecological, and toxicological and other safety related data.

Disclaimer
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