



WATERPROOFING
ACCESSORIES PRODUCT

ALSAN FOAM UNI W

TECHNICAL DATA SHEET 230607SCANE

(supersedes 230330SCANE)

DESCRIPTION

ALSAN FOAM UNI W is a one-component, moisture curing, PU foam for cold conditions providing thermal and sound insulation. ALSAN FOAM UNI W is also recommended for fixing and insulating of door and window frames, filling and sealing of gaps, joints and cavities, filling of penetrations in walls and insulating electrical outlets and water pipes. ALSAN FOAM UNI W is over paintable, mold proof and waterproof. It is suitable for indoor and outdoor applications.

RECOMMENDED SUBSTRATES

ALSAN FOAM UNI W adheres to most construction materials such as concrete based materials, brick, wood, aluminum, galvanized and steel cladding. It can also be use over SOPREMA SOPRASEAL membranes and RESISTO smooth surface membranes such as door and window membranes.

SURFACE PREPARATION

Before application, surfaces must be clean, homogeneous and free from all contamination (oils and grease, dust and loose or friable articles). Cement laitance must be removed. Dry and porous surfaces should be moistened with water.

APPLICATION

Can recommended temperature for application is 5 to 25°C (41 to 77 °F). Optimal can temperature is around 20°C (68 °F). If the can temperature is lower put the can into warm water (around 35-40°C [95 to 104 °F]) for 40min.

Shake the can containing ALSAN FOAM UNI W before its use. Screw the can onto an application gun. Press the trigger of the gun to let the foam flows. Shake regularly during the application. Always keep the can upside down during application. Read manufacturer's gun instructions for a perfect usage of the application tool.

At short work interruptions (less than 48 hours) the can can be left screwed onto the gun, but screw on the back side of the gun must be tightened. The can must be under pressure, otherwise the foam will harden in the gun. Do not fill the entire gap to allow the foam increasing. Expansion may vary depending on ambient temperature and humidity level.

In dry conditions, it is recommended to fill gaps in several smaller layers (≤ 1 "). Ensure that each layer is allowed to cure and expand sufficiently.

Application temperature : -25 to 30 °C (-13 to 86 °F)

Service temperature : -40 to 80 °C (-40 to 176 °F)

RESTRICTION

ALSAN FOAM UNI W is not suitable for PE, silicone and PTFE substrates.

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONTACT SOPREMA OR RESISTO.

PACKAGING

| Specifications | ALSAN FOAM UNI W |
|----------------|---|
| Physical state | Liquid |
| Chemical Base | One component polyurethane |
| Colour | Light yellow |
| Yield | 60 Liters (16 Gal.) for a 850 ml can (Gw. 1000 gr / 35 oz.) |

Note : Yield is approximate and may vary due to the application technique, surface roughness, temperature and humidity.
(All values are nominal)



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PROPERTIES

ALSAN FOAM UNI W meets the requirements of CAN/ULC S710.1 standard.

| Properties | Standards | ALSAN FOAM UNI W |
|---|----------------|----------------------|
| Open cell content | ASTM D6226 | 30 % |
| Density | ASTM D1622 | 19 kg/m ³ |
| Dimensional Stability, Volume change at: -20°C, ambient RH 70°C, 97±3% RH | ASTM D2126 | < 10% |
| Volatile Organic Emissions <i>Time to Occupancy</i> | CAN/ULC-S774 | < 20 days |
| Tensile strength | ASTM D1623 C | 50-100 kPa |
| Fire class | CAN/ULC-S710.1 | Class 1 |
| Curing system | - | Moisture |
| Skinning time <i>at 23°C (73 °F), 50 % HR</i> | - | 6 min |
| Curing time <i>at 23°C (73 °F), 50 % HR</i> | - | 24 hours |

(All values are nominal)

CLEANING

At longer work interruptions, clean the gun with ALSAN FOAM CL-F (cleaner).

STORAGE AND HANDLING

This product may be kept for a period of 24 months from date of production if stored in undamaged original and unopened packaging. Store in dry conditions and protected from direct sunlight at temperatures between 5 and 25 °C (41 and 77 °F).

For more information and advice on the safe handling, storage and disposal of the chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety related data.



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