



Temati-Foam



Two Components Polyurethane foam

- Refillable pressure cylinder s of 2 x 70 kg net product.
- Withstands temperatures from -129 °C to +115 °C.
- Tested according to "B2" (DIN 4102-1) & "E" (EN 13501-1) fire class.
- External nitrogen (N₂) cylinder ensures a constant spray pattern.
- No waste - Deposit cylinders (returnable).
- Processable with various plastic or metal spray guns.
- Environmentally friendly - contains no HCFCs and CFCs.



TEMATI-FOAM

Temati-Foam is a two-component polyurethane foam system packaged in refillable pressure cylinders. An external nitrogen cylinder, equipped with a double pressure regulator, ensures that both components are sprayed simultaneously and with a constant nitrogen pressure. Working pressure of both components is **11 BAR**. **Temati-Foam** is sprayed by a heated hose system with a flexible spray gun. Hoses can and can be extended up to ± 40 M.

Temati-Foam has a > 95% closed cell structure and has been tested in accordance with "B2" (DIN 4102-1) & "E" (EN 13501-1) fire class. Hardened foam is resistant to moisture, insulates, dampens noise, provides additional structural support, provides an airtight seam, fills spaces and protects against uncontrolled airflow, dust, smoke and odours.

Temati-Foam is a versatile polyurethane foam system that is often used in a production hall or on large(r) insulation work, cold stores, set construction, marine applications (pontoons, yacht building, filling large spaces or coating of large surfaces). **Temati Foam** is the recommended thermal insulation product.



Optimal processing temperature is 24 °C (75 °F), but it can be sprayed colder or warmer, with minimal changes in foam properties. Hardened foam is resistant to cold (-129 °C) and heat (+ 115 °C), to aging, but not to UV rays (e.g. sun) unless painted, covered or coated. Cured foam is chemically inert and does not react. **Temati-Foam** can be sprayed at any dry and clean surface in either direction. **Temati-Foam** is designed in accordance with the guidelines of the Montreal protocol (1987) to minimize the impact on the environment.

Technical data:

	Temati – Foam 140
Expanded foam volume	4,375 - 4,660 Liter
Density	30 - 32 kg / m ³
Foam rise time expansion	45 - 60 sec.
K-Factor (28 days)	0.023 W / mK
R-Value (28 days)	2.76 / cm
Tensile strength (ASTM D-1623)	317 kPa (46 psi)
Compressive strength (ASTM D-1621)	
Horizontal @ 10%	186 kPa (27 psi)
Vertical @ 10%	124 kPa (18 psi)

Important: Use only in well-ventilated areas. Wear suitable protective clothing, gloves and safety glasses when spraying Temati-Foam. Follow the manufacturer's instructions (TDS & MSDS). The product does not contain formaldehyde. Cured foam is not harmful.

Product storage: Store Temati-Foam upright in a cool and dry place. Do not expose to open flames or temperatures above 49 °C (120 °F). Excessive heat can result in premature aging of the components. Cylinders are under pressure. Do not attempt to open or burn, even after use.

Application/ Use: Cylinders must stand upright, taps at the top. Both components are simultaneously sprayed through hoses and mixed in disposable nozzles. If foaming is stopped for 30 seconds, the spray gun must be reactivated or the nozzles must be replaced. Temati-Foam can be applied in different layers to avoid over spraying. Cured foam can be removed mechanically.