PRODUCT INFORMATION SHEET

DALTOTHERM® TSW39-00 CE

A closed cell, spray applied Polyurethane foam for use in a variety of applications in commercial, industrial, residential and agricultural buildings throughout the whole year. The continuous application of DALTOTHERM® TSW39-00 offers excellent thermal insulation with economical yield.

Features and Benefits

- **Excellent yield**
- **Low odor sprayfoam material**
- **Excellent processing, fast reaction**
- **Excellent adhesion**
- **CE approved system**
- **HFC 365mfc / HFC 227ea - HFC 245fa blowing agent (zero ODP)**

Applications

- **Renovation floors walls and ceilings**
- **New build floors, walls, ceilings**
- **Loft conversions**
- **Commercial buildings**
- **Agricultural buildings**

Foam Properties

Properties	Values		Method
Density (Core)	35 - 40 kg/m^3		EN ISO 845
Reaction Profile	CT: 5s / GT: 9s / TfT: 13s		EN 14315-1
Closed Cell Content	> 90%		ISO 4590
Thermal Conductivity at 10°C (initial)	0.022 W/m.K		EN 12667
Declared Aged Thermal Conductivity At 10 °C (λ_D)	≥ 120 mm 80 to 120 mm ≤ 80 mm	0.027 W/m.K 0.028 W/m.K 0.029 W/m.K	EN 14315-1
Dimensional Stability (-20°C)	≤ 1.0%		EN 1604
Dimensional Stability (80°C)	≤ 2.0%		EN 1604
Compressive Strength (10%)	240 kPa		EN 844
Fire Properties	E Class		EN 11925-2

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Contact your local distributor for more information

ISO 9001

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Packaging and storage

	A Component (Polyol)	B Component (Diiso)
Metal drum	240 kg	250 kg
IBC	1200 kg	1250 kg
Storage Temperature	5 - 30°C	5 - 30°C
Shelf Life	6 months	6 months

EHS

This product contains diisocyanates which can be harmful if handled in the incorrect way. The material should only be applied by trained installers. Please refer to the SDS for detailed hazard information. Please also refer to the safe use guidelines and the Huntsman training package.

Processing

<table>
<tr><th>Machine Parameters:</th><th>Substrate:</th><th>Application:</th></tr>
<tr><td>• Mixing ratio (vol.): 1:1</td><td>• Dry and clean</td><td>• Thickness layers: max. 40mm</td></tr>
<tr><td>• Temp. drum: 15 - 20°C</td><td>• Substrate temperature >10°C</td><td rowspan="2">• >12 cm spray foam: 12 hrs waiting time between 2 layers
• See PDS</td></tr>
<tr><td>• Temp. machine heaters: 40 - 60°C</td><td>• Check before substrate adhesion</td></tr>
<tr><td>• Temp. hose: 40 - 60°C</td><td rowspan="3">to ensure:
→ good adhesion
→ good foam properties</td><td rowspan="3">• See Safe Use Guidelines
• See Huntsman training package for detailed EHS-related guidelines on Ventilation, Personal Safety, Re-occupancy & re-entry and Fire safety</td></tr>
<tr><td>• Working Pressure: 80 - 100 bar</td></tr>
<tr><td>recommendations:
- always work at pressure above 65bar
- always spray with difference in pressure lower than 15 bar</td></tr>
</table>

Remark

Due to the existing fire risk of polyurethane in some applications, for interior insulation, the foam surface must always be covered with a fire protection. Exterior applications must always be provided with a coating to protect it against all different weather elements.

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