THERMAFLEX ®

Technical Data Sheet

# ThermaSmart® ENEV Tube

Thermal Insulation by Thermaflex®

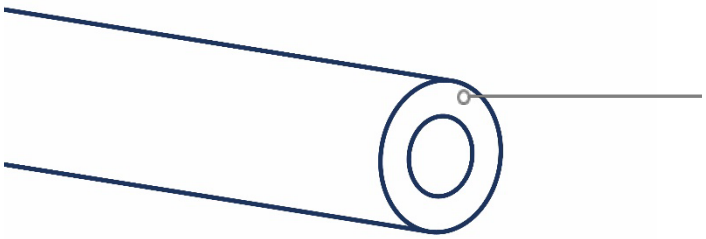
Fully recyclable thermal tube product made of directextruded, closed-cell high quality polyolefin foam insulation designed that meets GEG German standards.

## Benefits

- German GEG compliant product range.
- High mechanical strength, robust material.
- Excellent fire and smoke behavior.
- Fast fabrication with welding technique.
- Condensation free when installed by qualified installer.

## Applications

- Heating and sanitary applications.



Design

Polyethylene foam
durable insulation material



**Disclaimer**
All recommendations and information provided on this data sheet are based on our knowledge and experience. Product specifications are intended as guidelines. Since conditions of service are beyond our control, users must satisfy themselves that products are suitable for the intended use. No guarantee or warranty is given or implied or that any use of products will not infringe rights belonging to other parties. We reserve the right to change product design and properties without notification.

# Technical Properties

| Properties | Units SI | Values | Testing method |
|---|---|---|---|
| **Physical properties** | | | |
| Dimensional tolerances | - | Coherent | EN 14313 |
| Density | kg/m$^3$ | 21 - 33 | - |
| Structure | - | Fine, closed-cells | - |
| Color | - | Anthracite | - |
| **Thermal properties** | | | |
| Maximum service temperature | °C | +95 | EN 14707 |
| Thermal conductivity (λ) | W/m·K | 0.034 at 10°C | EN ISO 8497 |
| **Fire properties** | | | |
| SBI classification | - | $C_L$, s1, d0 | EN 13501-1 |
| **Water resistance properties** | | | |
| Water absorption | | WS 01 | EN 13472 |

# Availability

- Standard product length is 1,5m (148,5-153cm) in carton boxes (157x40x30cm)
- Product versions: non-slit

| Carrier Pipe Ø max. [mm] | Tube Insulation Ø [mm] | Insulation Wall thickness [mm] | | | | | |
|---|---|---|---|---|---|---|---|
| | | Fb* | Item Code | GEG 50% | Item Code | GEG 100% | Item Code |
| 15 | 16.0-17.5 | | | 10 (9.5-11.5)* | 3008-010015-500 | 20 (19.5-21.5) | 3008-020015-500 |
| 18 | 19.0-20.5 | | | 10 (9.5-11.5)* | 3008-010018-500 | 20 (19.5-21.5) | 3008-020018-500 |
| 20 | 21.0-22.5 | | | 10 (9.5-11.5) | 3008-010020-500 | 20 (19.5-21.5) | 3008-020020-500 |
| 22 | 23.0-24.5 | | | 10 (9.5-11.5)* | 3008-010022-500 | 20 (19.5-21.5) | 3008-020022-500 |
| 25 | 26.0-27.5 | | | 10 (9.5-11.5) | 3008-010025-500 | 20 (19.5-21.5) | 3008-020025-500 |
| 28 | 29.0-30.5 | | | 10 (9.5-11.5)* | 3008-010028-500 | 20 (19.5-21.5) | 3008-020028-500 |
| | | | | 15 (14.0-16.0) | 3008-015028-500 | 30 (29.5-31.5) | 3008-030028-500 |
| 35 | 36.0-38.0 | 6 (6.0-7.0) | 3008-006035-500 | 15 (14.0-16.0) | 3008-015035-500 | 30 (29.5-31.5) | 3008-030035-500 |
| 42 | 44.0-46.0 | 6 (6.0-7.0) | 3008-006042-500 | 20 (19.5-21.5) | 3008-020042-500 | 35 (34.5-36.5) | 3008-035042-500 |
| 48 | 50.0-52.0 | | | 20 (19.5-21.5) | 3008-020048-500 | | |
| 54 | 56.0-58.0 | | | 25 (24.5-26.5) | 3008-025054-500 | | |
| 60 | 62.0-64.0 | | | 30 (29.5-31.5) | 3008-030060-500 | | |

* Fb = in the floor structure

- In coils up to ø 28mm and wall thickness 10mm

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|---|---|---|---|---|---|---|---|
| | | Fb | Item Code | GEG 50% | Item Code | GEG 100% | Item Code |
| 15 | 16.0-17.5 | | | 10 (9.5-11.5) | 3108-010015-000 | | |
| 18 | 19.0-20.5 | | | 10 (9.5-11.5) | 3108-010018-000 | | |
| 22 | 23.0-24.5 | | | 10 (9.5-11.5) | 3108-010022-000 | | |
| 28 | 29.0-30.5 | | | 10 (9.5-11.5) | 3108-010028-000 | | |

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