

POWER-TEK LW STD



November 2020

APPLICATION RANGE



DESCRIPTION

Power-tek LW STD is a loose mineral wool without binder, which is used as universal solution for lining insulation in cavities.

TECHNICAL DATA

| | |
|---|---|
| Melting point of fibres | ≥ 1000 °C (DIN 4102-17) |
| Reaction to fire | A1 (EN 13501-1) |
| Declaration of performance* (Novi Marof) | http://dopki.com/T4305XP |
| Declaration of performance* (Škofja Loka) | http://dopki.com/T4309XP |

* for detailed information on DoP please check the product label

| Description | Sign | Description/data | | | | | | | | Unit | Norm |
|---|----------------|--|-------|-------|-------|-------|-------|-------|--------|-------------------|--------------|
| Thermal conductivity depending on temperature | θ | 50 | 100 | 200 | 300 | 400 | 500 | 600 | °C | EN 12667 | |
| | λ | 0.041 | 0.049 | 0.067 | 0.090 | 0.120 | 0.156 | 0.205 | W/(mK) | | |
| Water soluble chloride ions (AS quality) | - | ≤ 10 | | | | | | | | ppm | EN 13468 |
| Water absorption | W _p | ≤ 1 | | | | | | | | kg/m ² | EN 1609 |
| Water vapour diffusion resistance | μ | 1 | | | | | | | | - | EN 14303 |
| Silicone free | - | No emissions by lacquering disturbing substances | | | | | | | | - | - |
| Specific heat capacity | c _p | 1030 | | | | | | | | J/(kgK) | EN ISO 10456 |

Declared material properties are obtained in the production process and ensured by the factory production control in accordance with the European Standard at the time of manufacture. Observing storage and handling guidelines will maintain performance within published tolerances.

CERTIFICATE



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ADDITIONAL INFORMATION

Application

Plant and industrial construction

The product is recommended for thermal, fire and sound insulation of the defined applications within technical insulation.

Handling

Knauf Insulation products are easy to handle and easy to install. They are supplied in suitable packaging materials to balance necessary transport protection with sustainable recycling options. Packaging is not designed for long-term storage or exposure to harsh weather conditions. Further product information is mentioned on every pack.

Storage

For longer-term protection on site we recommend storing the product either indoors or alternatively under a roof cover and off the ground. If covered storage is not available, products can be stored outside (open-air-storage) if placed off the ground (keep palletized) and covered with plastic hood (foil), for a maximum of up to 6 months from the date of delivery. Outdoor storage is not recommended during particularly humid months with large fluctuations in temperature.

Standard packaging

Novi Marof:

| | |
|-------------|----|
| kg/roll* | 15 |
| rolls/palet | 24 |

Škofja Loka:

| | |
|------------|----|
| kg/bag | 10 |
| bags/palet | 40 |

*one foil bag or roll, other packaging sizes on request

ISO STANDARDS

Knauf Insulation products are produced according to four of the most important International Management Standards for sustainability ISO 9001 (Quality Management), ISO 14001 (Environmental Management), ISO 50001 (Energy Management) and ISO 45001 (Health and Safety Management), all certified by Tüv Nord.

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