

POWER-TEK LW STD



February 2023

with **ECOSE[®]** TECHNOLOGY



DESCRIPTION

Power-teK LW STD is a loose rock mineral wool without binder, used **as universal solution for lining insulation in cavities (confined spaces) in various high-temperature and fire protection applications.**

PERFORMANCE

Max. service temperature	660 °C (EN ISO 18097)
Reaction to fire	A1 (EN 13501-1)
Declaration of performance*	http://dopki.com/T4305XPCPR

* for detailed information on DoP please check the product label

APPLICATION

Defined Power-teK applications:

- Cavities (confined spaces)
- Furnaces & other equipment
- Tank walls & heat storage
- Irregular shapes

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

- **a universal solution for filling cavities (confined spaces) in furnaces, tank walls and heat storage tanks is needed**
- **a solution for insulating irregular shapes is required**

BENEFITS

- ✓ Easy to fill and reach confined spaces, irregular shapes
- ✓ No binder
- ✓ Odourless
- ✓ Flexible



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.

CERTIFICATES:



challenge.
create.
care.

POWER-TEK LW STD



February 2023

SPECIFICATIONS

Description	Sign	Description/data								Unit	Standard
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 ISO 12624
Water absorption	W_p	$\leq 1,0$								kg/m ²	EN ISO 29767
Water vapour diffusion resistance factor	μ	1								m	EN 14303
Melting point of fibres	ϑ	≥ 1000								°C	DIN 4102-17
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.

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 FORMATS*

NOVI MAROF:

kg / roll*	15
Rolls / pallet	24

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

SKOFJA LOKA

kg / roll*	10
Rolls / pallet	40

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



Knauf Insulation mineral wool products made with ECOSE® Technology benefit from a formaldehyde-free binder made from rapidly renewable bio-based materials instead of petroleum-based chemicals. The technology has been developed for Knauf Insulation's mineral wool products, enhancing their environmental credentials without affecting the thermal, acoustic or fire performance. Insulation products made with ECOSE® Technology contain no dye or artificial colours – the colour is completely natural.

Knauf Insulation d.o.o.

Varaždinska 140, 42220 Novi Marof, Croatia | E-mail: ts@knaufinsulation.com

All rights reserved, including those of photomechanical reproduction and storage in electronic media. Commercial use of the processes and work presented in this document is not permitted. Extreme caution was taken in assembling the information, texts and illustrations in this document. Nevertheless, errors cannot be entirely ruled out. The publisher and editors assume no legal responsibility or any liability whatsoever for any incorrect information or any consequences thereof. The publisher and editors are grateful for any suggestions for improvement as well as the identification of any errors.