

POWER-TEK RL 220



November 2020

APPLICATION RANGE



DESCRIPTION

Power-teK RL 220 is a light mineral wool mat which is dedicated for the application on heat storage tanks with optimized insulation thickness for an economical installation.

PERFORMANCE

Max. service temperature	220 °C (EN 14706)
Reaction to fire	A1 (EN 13501-1)
Density	ca. 22 kg/m ³ (EN 1602)
Declaration of performance*	http://dopki.com/T4222MP

*for detailed information on DoP please check the product label

Description	Sign	Description/data					Unit	Standard
Thermal conductivity depending on temperature	θ	10	50	100	150		°C	DIN EN 12667
	λ	0,034	0,042	0,054	0,067		W/(mK)	
Total water absorption	W _p	≤ 1					kg/m ²	EN 1609
Water vapour diffusion resistance	μ	1					-	EN 14303
Longitudinal air flow resistance	r	≥ 5					kPa*s/m ²	EN 29053
Designation code	-	MW - EN 14303-T2-ST(+)-220-WS1					-	EN 14303

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.

CERTIFICATES



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ADDITIONAL INFORMATION

Application

The product is recommended for thermal insulation of the defined applications within technical insulation.
Heat storage tanks with thick insulation thickness.

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*

Thickness	100 - 300 mm
Length	2.100 - 5.200 mm
Width	1.200 mm

* Other dimensions on request.



Knauf Insulation mineral wool products 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.

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.

Knauf Insulation d.o.o

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