

# THERMO-TEK RL ESY ALP



July 2023

with **ECOSE®**  
TECHNOLOGY



## DESCRIPTION

Thermo-teK RL ESY ALP is a rolled Glass Mineral Wool fleece with **reinforced aluminium foil on one side.**

Knauf Insulation Thermo-teK RL ESY ALP is produced with **ECOSE® Technology**, a patented binder system, based entirely on renewable raw materials.

## PERFORMANCE

Maximum service temperature	150 °C (EN ISO 18097)
Service temperature aluminium facing	≤ 80 °C
Reaction to fire	A2-s1, d0 (EN 13501-1)
Declaration of performance *	<a href="http://dopki.com/T4248HPCPR">http://dopki.com/T4248HPCPR</a>

\* For detailed information on DoP please check the product label

## APPLICATION

Defined Thermo-teK applications:

- Rectangular air ducts – outside insulation
- Circular air ducts – outside insulation
- Ducts in technical & acoustic rooms

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

- a better visual appearance after installation is required
- a water vapour barrier is required

## BENEFITS

- ✓ Lightweight solution
- ✓ Tear-resistant, sturdy kraft paper based aluminium foil lamination
- ✓ Optimal visual appearance after installation
- ✓ Elastic, strong and flexible
- ✓ One universal solution for different applications, forms and sizes
- ✓ Easy to handle, cut and install around different shapes
- ✓ Compressed packaging (logistical advantage)
- ✓ ECOSE® Technology



## 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



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## SPECIFICATIONS

Description	Sign	Description/data				Unit	Standard
Thermal conductivity depending on temperature	g	10	40	100	150	°C	EN 12667
	$\lambda$	0,039	0,044	0,070	0,090	W/(mK)	
Water vapour diffusion equivalent air layer thickness ALU	$S_d$	≥ 200				-	EN 12086
Designation code	-	MW-EN14303-T2-ST(+)-150				-	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.

## 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	30 / 50 mm
Width	1200 mm
Length	22.000/20.000 mm

\*Other dimensions 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 Izo. San. ve Tic. A.Ş.

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