

THERMO-TEK PH/PH INS



September 2023



Thermo-teK PH



Thermo-teK PH INS

DESCRIPTION

Thermo-teK PH hanger is an insulated **pipe support for the reduction of thermal heat bridges**. It consists of a compressive resistant Rock Mineral Wool core for load transfer and a metal hanger in matching size (INS version = RMW-core only). The core is laminated with strong tear-resistant multi layer aluminium foil with a self adhesive overlapping seal to close the circumferential opening.

Thermo-teK PH can be used with all Knauf Insulation alu-faced pipe sections, in particular with Thermo-teK PS Cld ALS.

Knauf Insulation Thermo-teK PH INS is produced with **ECOSE® Technology**, a patented binder system, based entirely on renewable rawmaterials.

PERFORMANCE

| | |
|--------------------------------|------------------------------------------|
| Max. service temperature | 250 °C (EN ISO 18097) |
| Service temperature ALU facing | ≤ 80 °C |
| Density | ca. 150 kg/m ³ (EN ISO 18098) |

Note: Certification/ Reaction to Fire

Pipe Supports are not described in any harmonised standard in the European Union; therefore they cannot be certified according CE-rules. The product is made of rock wool, which is non-combustible and has a melting point > 1000°C.

APPLICATION

• Pipe lines

Pipe supports are used to take the weight load of installed pipe work at the fixing joints. Because of their low thermal conductivity they will mitigate thermal bridging to a large effect, in particular on chilled water and other cold lines.

- Drinking water pipes
- Cooling water pipes
- Alternating temperature systems
- Outdoor wastewater pipes (rain and snow)

BENEFITS

- ✓ Fire safe due to non-combustible Rock Mineral Wool A2L-s1, d0
- ✓ Extra tough and water vapour tight aluminium facing with glass scrim reinforcing and therefore highly protective regarding possible damage
- ✓ Application range from 0 °C to +250 °C
- ✓ Simple and fast processing for cold and warm applications
- ✓ 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 |
|-------------------------------------------------------|-------|--------------------------------------------------|-------------------|--------------|
| Water soluble chloride ions (AS quality) | - | ≤ 10 | ppm | EN ISO 12624 |
| Water absorption | W_p | ≤ 1 | kg/m ² | EN ISO 12623 |
| Water vapour diffusion equivalent air layer thickness | S_d | ≥ 1500 | m | EN ISO 12629 |
| Silicone free | - | No emissions of lacquering disturbing substances | - | - |
| Melting point of fibres | g | ≥ 1000 | °C | DIN 4102-17 |

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 | 20 - 100 mm |
| Internal diameter | 15 - 140 mm |
| Length | 80 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 d.o.o.

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