

THERMO-TEK PS CLD SYSTEM PREMIUM INSULATION SYSTEM FOR COLD APPLICATIONS



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NEW INSULATION SYSTEM FOR COLD APPLICATIONS THERMO-TEK PS Cld SYSTEM

The new Knauf Insulation system **Thermo-teK PS Cld SYSTEM** is a perfect solution for the insulation of cold pipes (means the service temperature is below ambient temperature) in building services systems. It is suited for use on drinking and cooling water pipes, made from stainless steel, steel, copper and plastic. The system is also suitable for systems with alternating temperature.

Being non-combustible, the **Thermo-teK PS Cld SYSTEM** is designed to reduce energy losses and protect the pipes from condensation and fire.



Applications of Thermo-teK PS Cld SYSTEM:

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

Thermo-teK PS Cld SYSTEM is particularly suitable for usage in:

- ✓ Hotels
- ✓ Public buildings
- ✓ Hospitals
- ✓ Similar buildings

MULTIPLE SYSTEM BENEFITS:



- ✓ Fire safe due to non-combustible Rock Mineral Wool A2_L-s1, d0
- ✓ Extra tough and water vapour tight aluminium facing with glass scrim reinforcing and therefore highly protective regarding possible damage
- ✓ Specially designed closure tape for professional vapour tight sealing.
- ✓ Application range from 0 °C to +250 °C
- ✓ Simple and fast processing for cold and warm applications
- ✓ Time and cost savings
- ✓ Tested system with all necessary system components
- ✓ ECOSE® Technology without an additional formaldehyde as a binder



COMPONENTS OF THE THERMO-TEK PS CLD SYSTEM FOR COLD INSULATION

Pipe Section Thermo-teK PS Cld ALS

Thermo-teK PS Cld ALS is a circular-wound Rock Mineral Wool pipe section and is a basic product in Knauf Insulation cold applications insulation system. The 1200 mm long pipe section is **slit** (with an applied self-adhesive seal) **on one side** for easier installation. It is **laminated** with **extra strong** fibre glass reinforced, tear-resistant aluminium foil, **which acts as a water vapour barrier** and provides extra mechanical protection.



Lamella Mat Thermo-teK LM Cld ALS

Thermo-teK LM Cld ALS is a Rock Mineral Wool lamella mat, laminated with an **extra strong** fibre glass reinforced, tear-resistant aluminium foil, **which acts as a water vapour barrier** and provides extra mechanical protection. Flexible and robust lamella mat is very easy to use and can be perfectly adapted for installations such as valves, pumps, flanges and complex joints.



Pipe Support Thermo-teK PH/PH INS

Thermo-teK PH pipe support is a **pipe bracket to avoid thermal bridges**. It consists of the metal hanger and of a robust, pressure resistant Rock Mineral Wool core serving as a load transfer. The Thermo-tek **PH INS core** is laminated with an extra strong, multi-layer, tear resistant fibre glass aluminium foil and ensures closure of radial opening with a self adhesive overlapping seal.



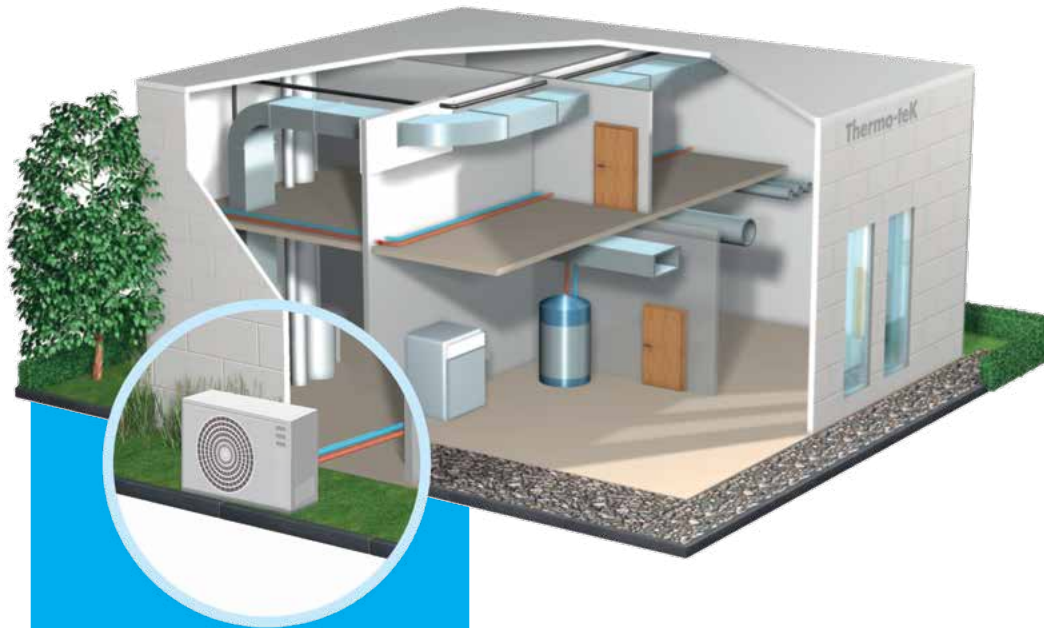
Aluminium Tape Thermo-teK Tape Cld

Thermo-teK Tape Cld is a **highly tear-resistant, glass fiber mesh-reinforced aluminum adhesive tape** that securely seals all joints and connections in the Thermo-teK PS Cld SYSTEM. It comes with a high performance pressure sensitive adhesive which is designed for perfect sealing of the joints.



Flexible Tape Thermo-teK Seal Cld

The flexible sealant tape **Thermo-teK Seal Cld** is used at **penetration points of the aluminium sheathing** such as pipe suspensions, control- or measuring equipment. It is water-tight and meant to preserve the system's adhesive strength even at low temperatures.



More about our cold insulation system available online:



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MINERAL WOOL PS CLD SYSTEM COMPONENTS ARE PRODUCED WITH ECOSE® TECHNOLOGY



Knauf Insulation Mineral Wool products made with ECOSE® Technology benefit from a no added formaldehyde binder made from rapidly renewable bio-based materials instead of petroleum-based chemicals. Due to this technology, handling with the product is much more comfortable which brings the installers over-average installation friendliness (smooth yet still flexible and firm touch and feel). All common technical features are on competitive level or better. Handling, mounting and fixing are in line with known market standards.



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The "Living with a Green Heart" initiative promotes a comprehensive approach to sustainable development with **emphasis on societal and social sustainable development**, placing an informed individual at the forefront of sustainable transformation of society.

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COMPANY PROFILE

Knauf Insulation is one of the most respected names in the insulation industry worldwide with over 40 years of experience and still growing fast to nearly 6.000 employees in more than 40 countries and 29 manufacturing sites. Being part of the family-owned Knauf group, Knauf Insulation Technical Solutions provides solutions for customers' requirements in industry, marine applications, heating, ventilation and air conditioning. A profound market understanding and insulation know-how enables us to provide a broad range of products to meet your specific needs.

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