

Roth X-PERT S5®+

... perfect for all requirements

■ S5 CoEx technology – high quality for every area of use

You will always find the perfect solution to your building's specific requirements for a radiant heating and cooling system, with pipes featuring the proven and unique S5 CoEx technology. Thanks to quintuple co-extrusion in a single production process, the sandwich material of the Roth system pipes guarantees optimal adhesion of the pipe layers to one another.

■ 5 layers – 5 levels of safety

Roth system pipes offer maximum robustness thanks to their mechanical, thermal and chemical characteristics:

- Protection of the EVOH oxygen barrier against mechanical damage and the harmful effects of external factors such as heat and damp

- Highest level of resistance to deformation caused by concentrated mechanical loads
- The workings of the radiant heating and cooling system are optimally protected for subsequent craftsmen in accordance with the Verdingungsordnung für Bauleistungen (Contract Procedures for Building Works [VOB]).

- Long service life through the avoidance of oxygen exchange
- Optimised linear extension within a narrow tolerance field through the five layers.



Roth X-PERT S5®+ system pipe

... a powerful team

All five layers of the Roth system pipe are co-extruded and then subsequently cross-linked.



■ Interactive cross-linking using an innovative and patented manufacturing procedure

All five layers of the system pipe are co-extruded and then subsequently cross-linked throughout by means of a patented production process. This ensures connections at the molecular level, not only within the individual layers but also between them. As a result, the five-layered pipe is absolutely stable. Interactive cross-linking improves the mechanical, thermal and chemical characteristics of the system pipe and provides additional safety reserves.

■ Roth X-PERT S5®+ system pipe – the solution for challenging applications in the low-temperature range

The average thermal stress during heating is falling, as a result of the Energiesparverordnung (Energy Savings Regulation [EnEV]).

The highly flexible 5-layer Roth X-PERT S5®+ system pipe has been optimised to meet the specific requirements of applications in the low-temperature range.

The "X" in "X-PERT S5®+" represents the excellent finish of the material. It is designed with a safety plus for a continuous thermal stress of 70 °C and a short-term thermal stress of 100 °C.

The X-PERT S5®+ system pipe is continuously pressure-resistant with multiple safety reserves up to 6 bar.

■ X-PERT S5®+ – even safer thanks to a strong surface

The surface layer means the Roth X-PERT S5®+ system pipes are now even stronger.

The yellow colour of the pipes indicates a robust surface. High resistance to wear and integrated UV stability provide additional protection, particularly for use in harsh site conditions.

■ System compatibility

X-PERT S5®+ system pipes can all be used with the Roth Original Tacker® System, the Roth Knob System and the Roth Pipe Fixing System for heating and cooling purposes.