



// Application



Processing by hot air welding

KÖSTER

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KÖSTER

Solar Reflective KÖSTER TPO
Roofing Membranes



Lowers the interior temperature

Reduced construction time and effort

High Solar Reflectance Index



// The products

KÖSTER TPO white //

Is a white hot-air-welded thermoplastic roofing and waterproofing membrane made of polyolefin (TPO) based on Polyethylene with a centrally embedded glass fleece reinforcement. KÖSTER TPO roofing and waterproofing membranes in white are used to waterproof roofs that are exposed to the elements. They are characterized by a high SRI value (106) and thus reduce the heating up of the building envelope.

In this way, KÖSTER TPO resists the increased stresses caused by global warming and is very effective in increasingly hot summers and in high temperature climates.



KÖSTER TPO FR

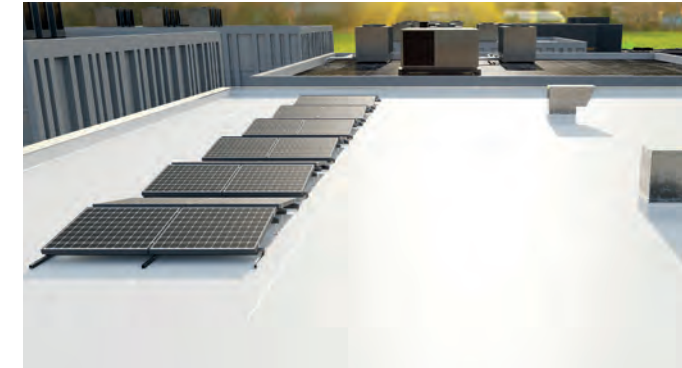
The version with a superior fire resistance. The building regulations governing fire safety are designed to preserve life. KÖSTER TPO FR membranes are specially designed to meet the toughest standards in fire protection today for roofing membranes. They also offer durability and weather resistance, ensuring reliable performance.

KÖSTER TPO Pro

The responsible solution for roofs and for the environment. KÖSTER TPO PRO provides an eco-friendly, durable solution for waterproofing roofs in exposed conditions. Made with > 50% of near-to-prime recycled polymers and a high SRI (> 94), we have brought a new leader into the market. The leader of innovation and pioneer in sustainability.

// The system

KÖSTER TPO white & KÖSTER TPO FR



KÖSTER TPO Pro



// Solar Reflectance Index

The SRI value (Solar Reflectance Index) is the relative temperature of a surface in relation to a standard white surface (SRI = 100) and a standard black surface (SRI = 0) under standard conditions.

KÖSTER TPO white

Heat Transfer Coefficient [W/m²K]	Wind Speed [m/s]	SRI Value [-]
5	0 to 2	106
12	2 to 6	105
30	6 to 10	105

Key features at a glance



No non-molecularly bound plasticizers



Reduced building waste



Reflects sunlight



Energy-saving



Cooling effect

// Higher yield with solar systems

