

KÖSTER

Roofing Systems

KÖSTER TPO Pro – High Tech Roofing meets Sustainability



KÖSTER TPO Pro 



White can be green.

KÖSTER TPO Pro. The sustainable roofing membrane.

KÖSTER TPO Pro is a highly specialized roofing membrane for professional use on freely weathered industrial roofs in lightweight construction. With its high sustainability, it provides economy and longevity for a modern and resource friendly building culture.



Extremely resource efficient

With KÖSTER TPO Pro we developed the first roofing membrane that is based on recycled near-to-prime material. A significant amount of homogenous, recycled polyethylene makes KÖSTER TPO Pro with all its functional high tech characteristics extraordinarily sustainable. After decades of use, at the far end of their life cycle, KÖSTER TPO Pro roofing membranes can be almost entirely recycled.

Extremely economical

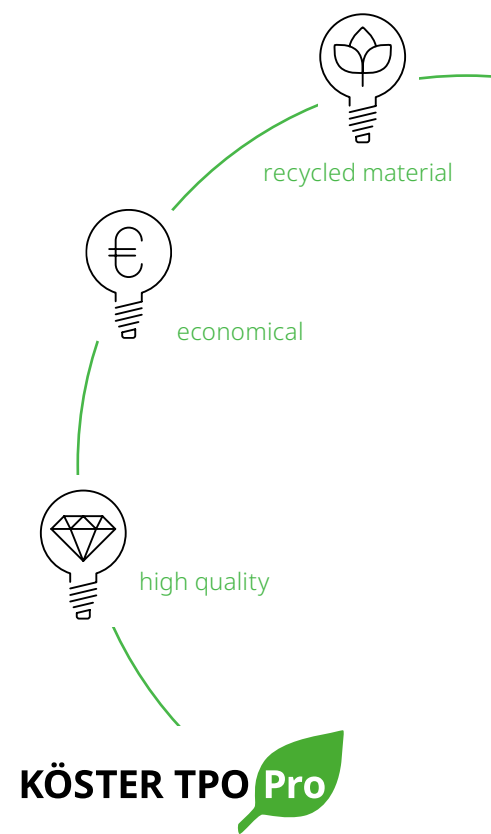
The long lifespan of more than 30 years, the use of recycled material, and a cost efficient production make KÖSTER TPO Pro a particularly economical waterproofing membrane. Especially when compared with PVC membranes, cost benefits are obtained across the entire lifespan.

Outstanding lifespan

Weatherproof, flexible, resistant against chemicals, homogenous: KÖSTER TPO Pro convinces through its richness of excellent material characteristics. The membranes expand with heat and contract in colder environmental conditions. Through this, damage due to thermal strain – e.g. shattering – is effectively prevented. When it comes to high quality, durable PE waterproofing, KÖSTER TPO Pro is the first choice.

Certified sustainability

Using recyclates, KÖSTER TPO Pro provides a positive contribution towards a sustainable building culture and thereby towards the fulfillment of criteria for a DGNB certificate. The ecological evaluation is based on the Environmental Product Declaration of the IBU (Institut für Bauen und Umwelt e.V.).



Simply professional

Environmentally safe

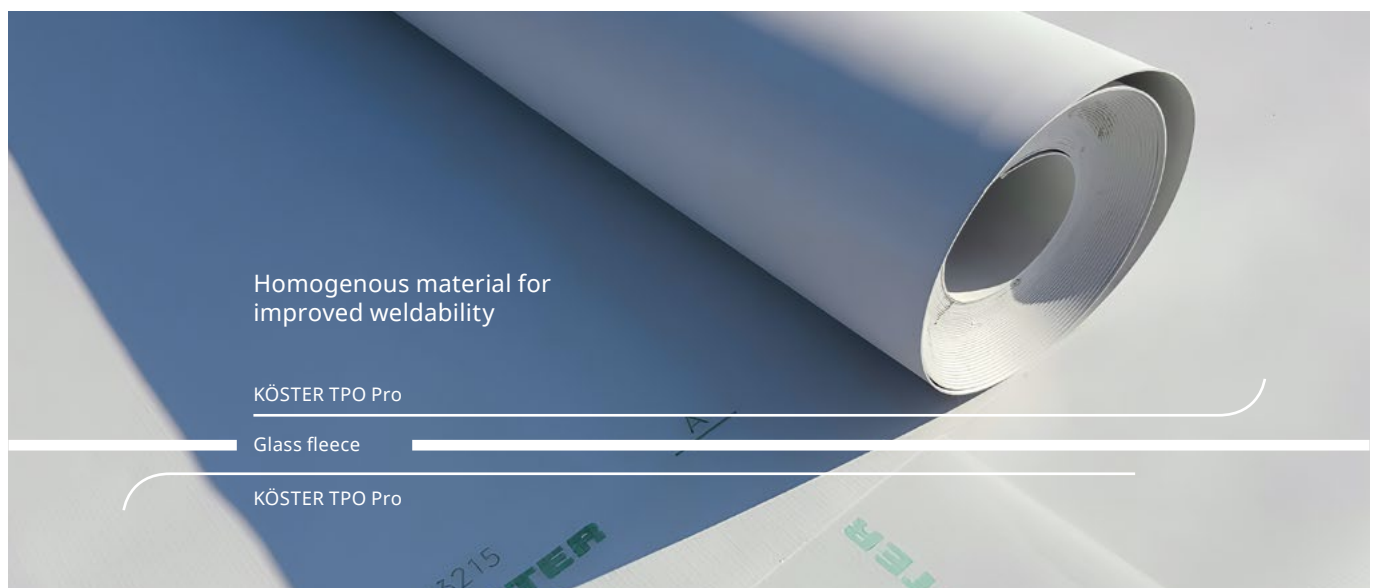
KÖSTER TPO Pro is free of volatile plasticizers, chloride, or other harmful substances and therefore harmless towards health, water, soil, plants, and animals. No chemicals are released even while hot-air welding.

Easy and secure application

The excellent workability is a prominent feature of KÖSTER TPO Pro roofing membranes. The homogenous material composition of both the top and bottom layers ensures a simple, straightforward, and safe welding seam with a wide welding temperature window and a permanent weldability beyond common construction time frames. Chemical seam cleaning is not required.

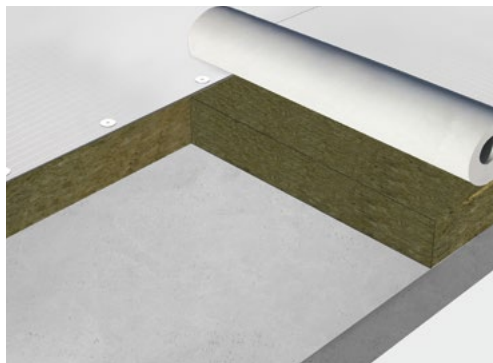
Versatile

New construction or renovation: KÖSTER TPO Pro is suitable for all lightweight roof structures, bitumen compatible, and applicable on a variety of substrates.



Wind suction secure installation

Our KÖSTER TPO Pro roofing membrane can be mechanically fastened through the insulation onto the substructure and subsequently hot air welded with hot air in the overlapped area.



Mechanically fastened installation



Technical data

Field of application	Industrial roofs in lightweight construction Mechanical fastening
Application	Welded homogenously with hot air
Color	White (SRI 95)
Top and bottom side	Identical material
Embedded reinforcement	glass fleece
Length	20 m
Width	1.5 m
Thickness	1.2 mm / 1.5 mm / 1.8 mm / 2.0 mm
Resistance to shock loads Method A Method B	≥ 400 mm ≥ 1,000 mm
Tensile strength	≥ 5 N/mm ² (Method B)
Elongation at break	≥ 350% (Method B)
Peel resistance of the overlap	≥ 400 N/50 mm

Extensive accessory program

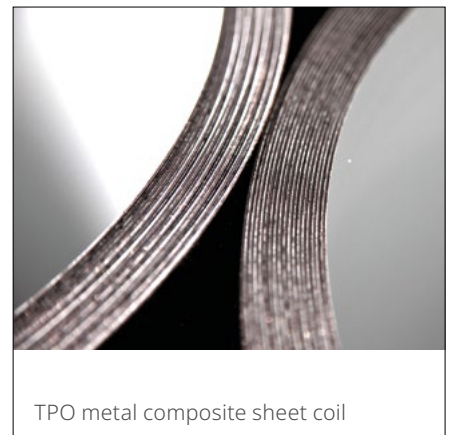
In addition to our KÖSTER TPO Pro roofing membrane we provide an extensive system accessory range for the installation. This includes among others prefabricated corners, flanges, metal composite sheets, maintenance walkways as well as accessories for drainage and ventilation.



Prefabricated outer corners



Prefabricated inner corners



TPO metal composite sheet coil



Pipe flashings

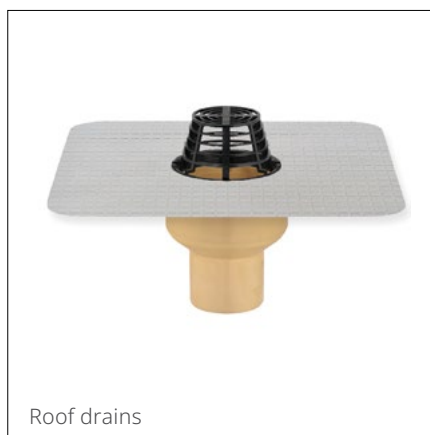
More of our accessory range
under
roofing.koster.eu



Metal composite sheet



Maintenance walkways



Roof drains



Attica spouts/ Emergency overflows

Our warranty

The warranty covers all leakages that are caused by a material failure of the KÖSTER TPO Pro roofing membranes. Warranties must be requested individually for each construction project in advance. They are valid for a period of up to 10 years.

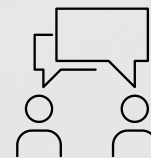
The warranty covers:

- up to 10 years material warranty for KÖSTER TPO Pro membranes
- free material replacement
- reimbursement of labor costs for the installation of membranes
- material replacement for any damaged components included in the roofing system
- reimbursement of labor costs for the replacement of any damaged components included in the roofing system

Our Service

We intend that you benefit from our expert knowledge and experience. Our technically trained sales team ensures that you receive the support that you require. Together we develop safe, economical, and sustainable solutions for your demands. We support you wherever and whenever necessary – be it via phone, e-mail or up-front at the construction site.

The proficient application of our products contributes significantly towards a safe and permanent building protection. Therefore, we offer regular trainings and webinars on a variety of topics. Seminars take place at our technical center in Aurich or wherever you need them – in Germany or throughout the world.



personal consultation



site instructions



practical and theoretical trainings



We are there for you – worldwide.

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Always adhere to the specifications in the respective Technical Data Sheets.