

KÖSTER

KÖSTER TPO

Thermoplastic polyolefin waterproofing membrane for drinking water applications

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KÖSTER TPO Aqua

KÖSTER TPO Aqua is a specially formulated homogeneous waterproofing membrane for drinking water tanks and other structures designed for use with water. KÖSTER TPO Aqua complies with the hygienic requirements for potable water environments according to the German DVGW Worksheet W 270 and the KTW guideline. The TPO-PE based membrane is highly tear resistant and provides very high flexibility, so that even large cracks are securely bridged.



Unique Advantages of the TPO Aqua system

Environmental friendliness, human and animal safety

- KÖSTER TPO Aqua is a 100% eco-friendly product that is safe for human health, water, soil, animals, and plants.
- It contains no volatile plasticizers and therefore does not become brittle or rot, it is free of VOCs and 100% recyclable.

Usable on all types of substrates

- It is compatible with all types of substrates such as concrete, metal, wood, plastic, etc.

No chemical interaction with the substrate

- The application methods are mechanical fastening and loose-laid, so the substrate doesn't interact with the membrane leaving it free of any "negative" influences. This is a great advantage over liquid applied waterproofing.

No substrate preparation

- No substrate preparation is needed for this system, since it can be applied over old detaching coatings such as old membranes, epoxies, polyurethanes, etc. Only in the case of high surface roughness do we advise the use of a 400 g geotextile mat before installation for increased mechanical protection.

For repair and new structures

- Many old tanks have old epoxy coatings that still contain VOC's that contaminate the water. Our membrane can be applied over these existing coatings, protecting the water from being exposed to this harmful contamination.
- New and old structures are securely waterproofed with a membrane that has a life expectancy similar to the lifespan of the structure itself.

Drinking water tests

- Drinking water test according to the German KTW-Guideline
- Drinking water test according to the German W270-Guideline

Usable in water treatment tanks

- KOSTER TPO membranes resist the attack of most common chemicals, making this membrane also usable in water treatment tanks, basins, and other structures both indoors and outdoors. (For specific chemicals and concentrations, always contact our technical department for clarification).

*VOC (Volatile Organic Compounds)

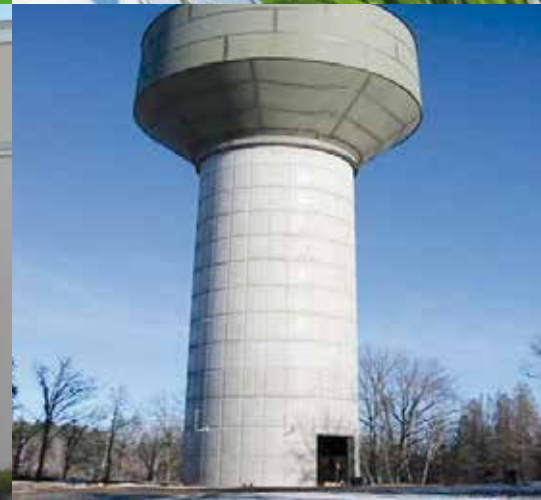
Fields of application for the KÖSTER TPO Aqua

The main fields of application for this special product are drinking water reservoirs and tanks, but also other water retention structures for human, agricultural, or animal purposes that require a totally secure and safe membrane with absolutely no effect to the water:

- Drinking water tanks and reservoirs
- Water retention structures
- Water transport structures
- Artificial ponds and lakes
- Fish aquaculture, fish ponds and lakes
- Water reservoirs for food production purposes
- Irrigation reservoirs for agricultural use



KÖSTER TPO Aqua:
The long-lasting and
eco-friendly
solution for drinking
water structures





We are there for you – worldwide.



// Contact us

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