



Approved Waterproofing Systems for Drinking Water Tanks

References



Philosophy:

Cutting edge system
solutions & support



Dr. Dieter Köster
CEO

„Sustainable solutions
of excellent quality and
comprehensive support –
that you can rely on“



Johann Köster
Founder

Chairman of the supervisory
board of KÖSTER BAUCHEMIE
AG and CEO of the German
roof organization of all german
construction chemistry
producers in the 4th period of
office.

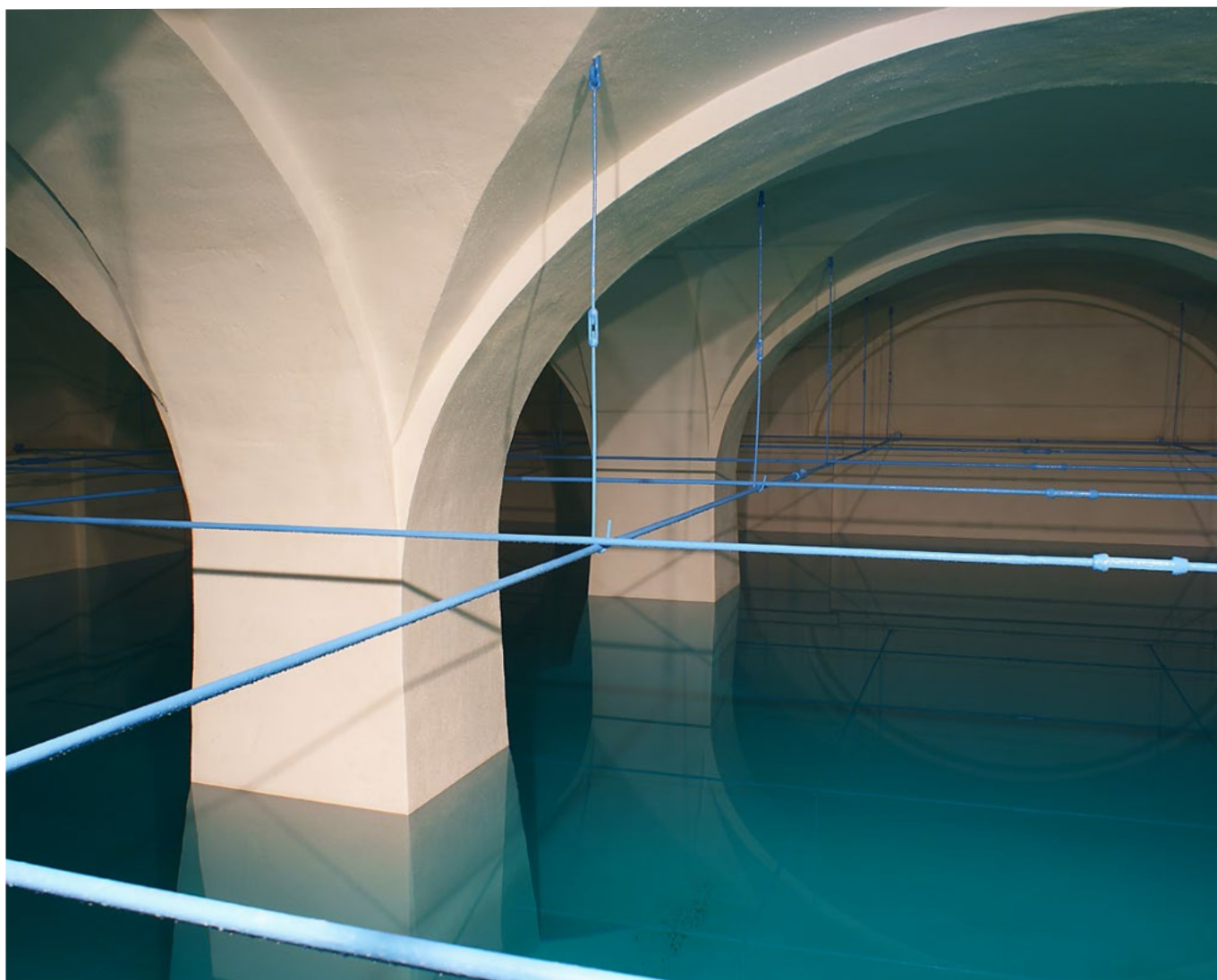


DRINKING WATER TANK

Description: Waterproofing of drinking water reservoir with mechanical fastening system.

Products: KÖSTER TPO Aqua 1.5

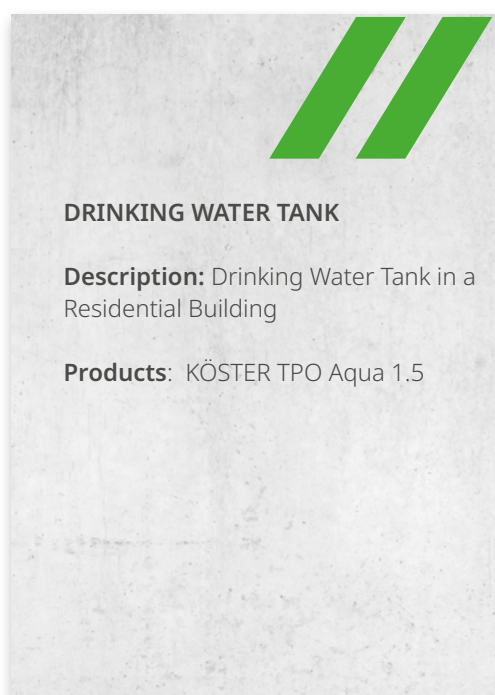
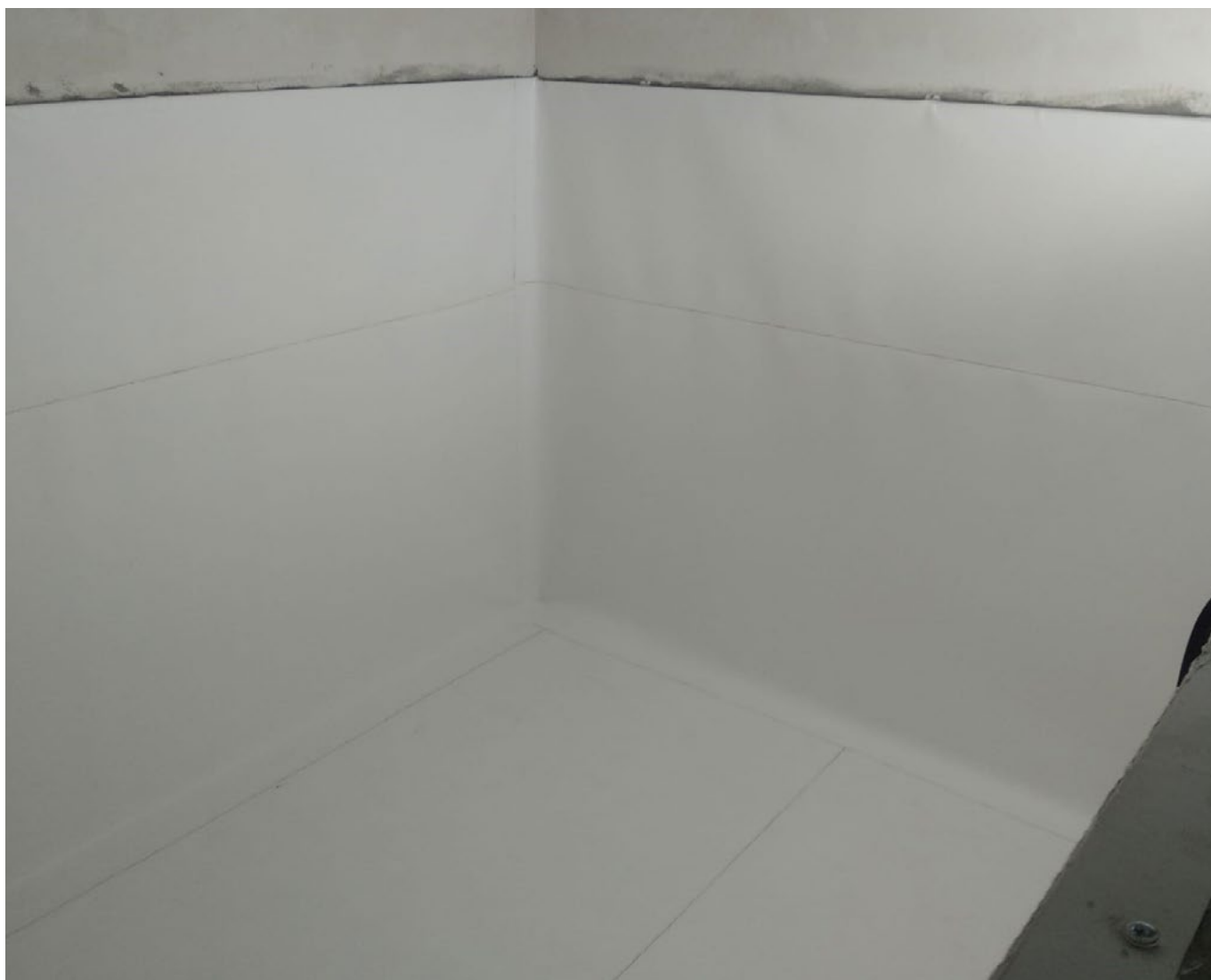




WATER TANK

Description: The Jurjevska reservoir, built in 1878, required new waterproofing approved for contact with drinking water. After preparing the substrate and sealing active leaks, the final waterproofing was carried out using two layers of NB 1 Grey.

Products: KÖSTER NB 1 Grey





DRINKING WATER RESERVOIR

Description: A new drinking water tank of approximately 100 m² was constructed. The substrate was first cleaned and prepared. At the wall/floor junctions, NB 1 Grey was applied to provide a defined base for subsequent detailing. The following day, the entire surface was waterproofed with two layers of NB 1 Grey, applied 24 hours apart. After a curing period of 7 days, the tank was washed and made ready for use.

Products: KÖSTER NB 1 Grey



WATER RESERVOIR

Description: A concrete drinking water reservoir at the water treatment plant in Chotomów was waterproofed internally using NB 1 Grey. After substrate preparation, fillets were installed, and the entire internal surface was coated with the waterproofing slurry NB 1 Grey.

Products: KÖSTER NB 1 Grey





DRINKING WATER RESERVOIR

Description: Renovation of drinking water reservoir. The concrete walls were damaged by the impact of the water. KÖSTER TPO was installed for protection of the walls. First of total of three reservoirs, each 400 m³.

Products: KÖSTER TPO Aqua 1.5



SERVICE WATER TANK

Description: Renovation of an old basement into a tank for tap water. After cleaning and repairing the concrete with KÖSTER Repair Mortar Plus, the KÖSTER TPO Aqua 1.5 waterproofing membrane was welded to a TPO Composite Metal Sheet and mechanically fastened to the wall. Prefabricated accessories such as KÖSTER Internal Corners and KÖSTER Pipe Flashing were used to secure details.

Products: KÖSTER TPO Aqua 1.5





SERVICE WATER TANK

Description: Potable water reservoir waterproofing

Products: KÖSTER TPO Aqua 1.5



DRINKING WATER RESERVOIR

Products: KÖSTER NB 1 Grey



DRINKING WATER TANK

Description: Waterproofing of drinking water reservoir with mechanical fastening system

Products: KÖSTER TPO Aqua 1.5

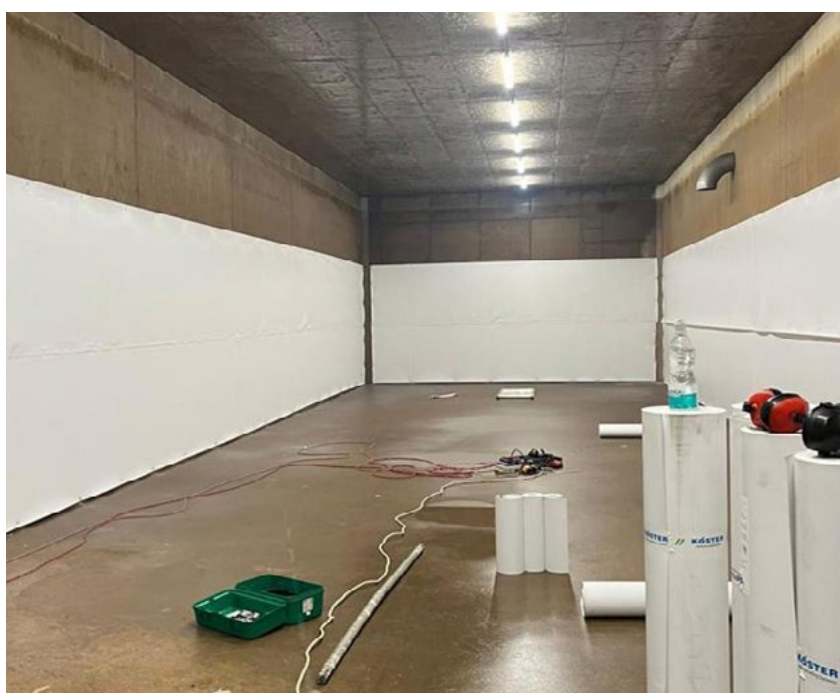


WATER RESERVOIR

Description: Two reservoir sections with a total area of 820 m² were renovated. After cleaning and preparing the surface, two layers of KÖSTER NB 1 Grey were applied for waterproofing. After 7 days of curing the reservoir was rinsed and returned to use.

Products: KÖSTER NB 1 Grey

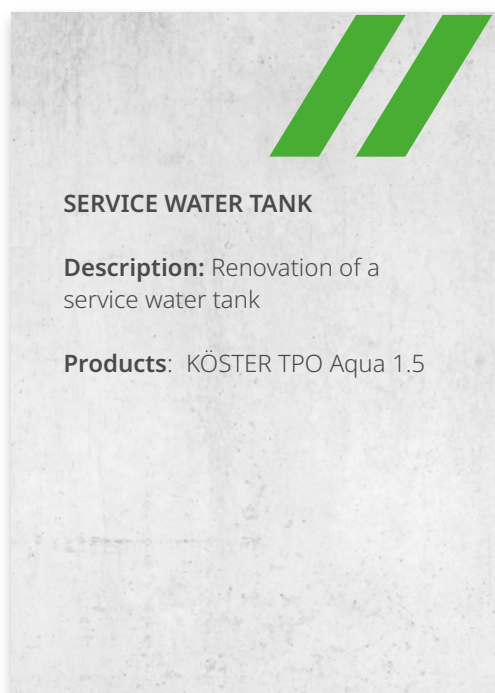
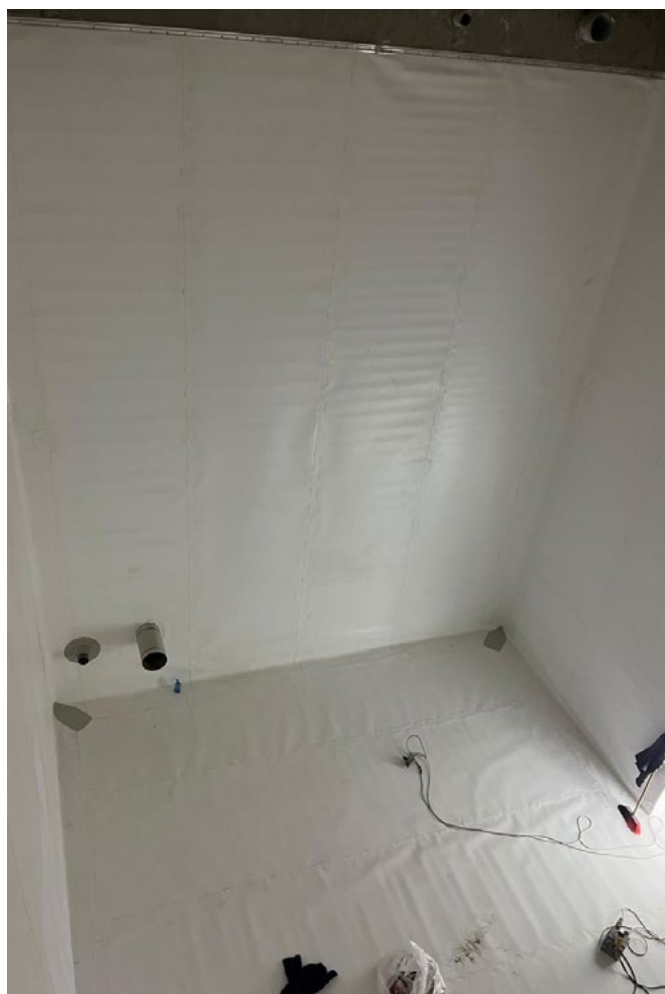




DRINKING WATER RESERVOIR

Description: Renovation of drinking water reservoir. The concrete walls were damaged by the impact of the water. KÖSTER TPO was installed for protection of the walls. Second of total of three reservoirs, area approx. 600 m³.

Products: KÖSTER TPO Aqua 1.5

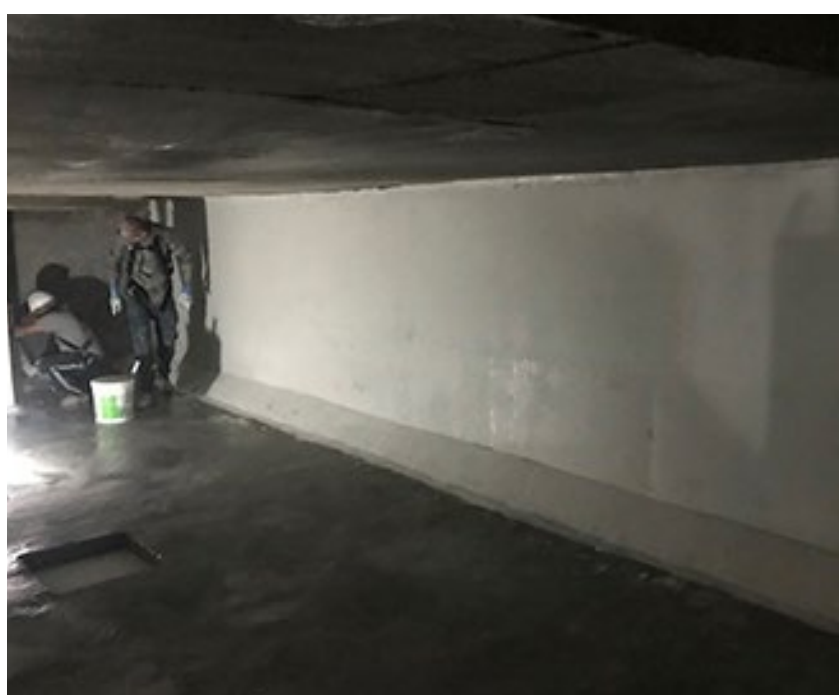


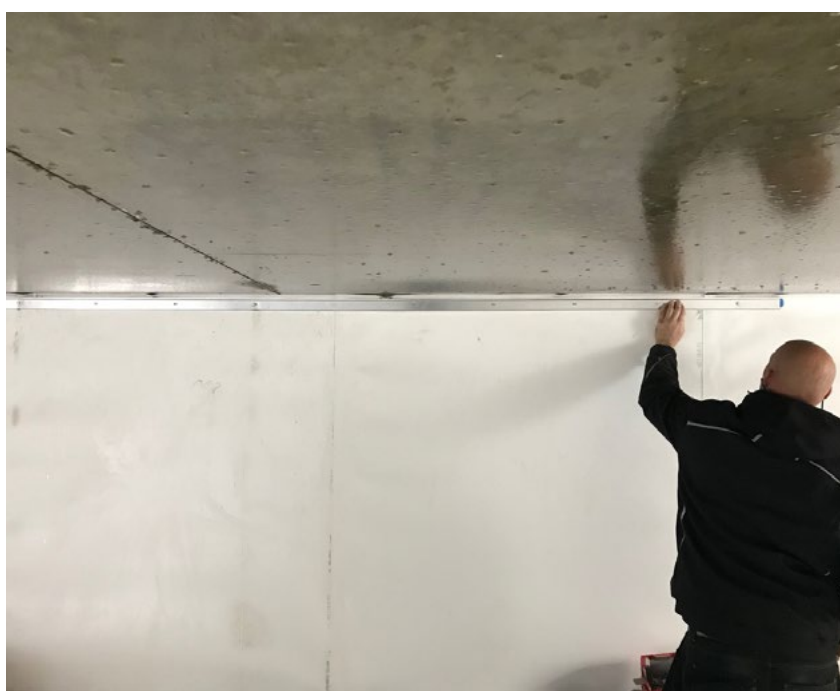


WATER TANK

Description: The reservoir was renovated with KÖSTER TPO Aqua. The TPO sheets were heat-welded to the supports, and all pipe penetrations were securely sealed. The reservoir was returned to operation the following day.

Products: KÖSTER TPO Aqua 1.5





WATER RESERVOIR

Description: Sealing of drinking water basin for the Bungalow Park to provide the 60 bungalows with drinking water.

Products: KÖSTER TPO Aqua 2.0



WATERTANK

Description: After substrate cleaning and preparation, the entire tank area was waterproofed using the TPO Aqua 1.5 membrane. A geotextile was installed as a protective separation layer between the membrane and the concrete. The membrane was mechanically fixed to the wall, and prefabricated TPO components such as drains were used to ensure a seamless and reliable waterproofing system.

Products: KÖSTER TPO Aqua 1.5

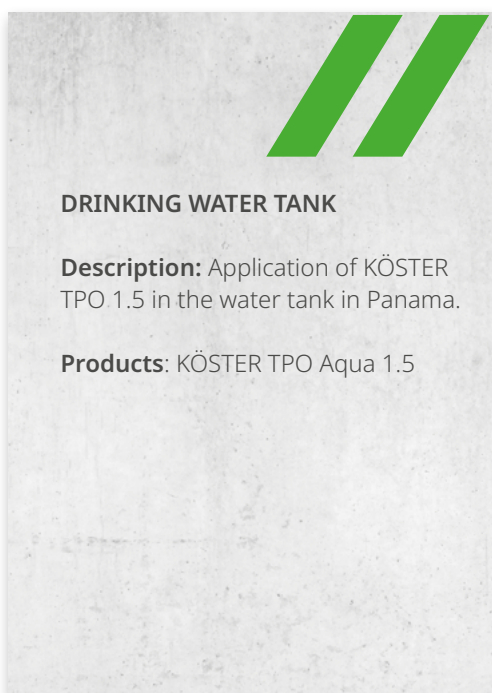




WATER RESERVOIR

Description: Potable water reservoir waterproofing

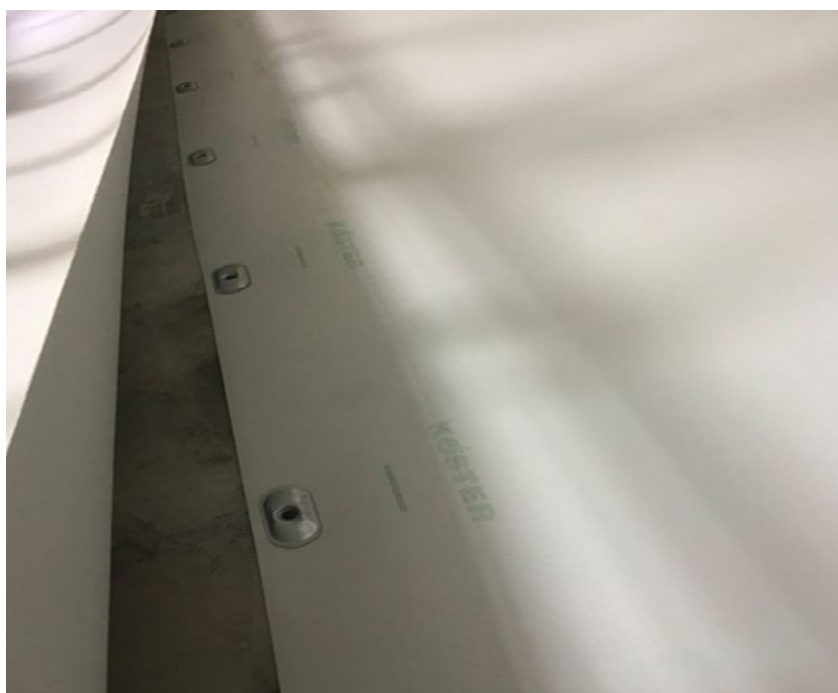
Products: KÖSTER TPO Aqua 1.5



DRINKING WATER TANK

Description: Application of KÖSTER TPO 1.5 in the water tank in Panama.

Products: KÖSTER TPO Aqua 1.5





DRINKING WATER TANK

Description: Waterproofing the inside of a watertank.

Products: KÖSTER NB 1 Grey



WATER RESERVOIR

Description: A 20-year-old concrete underground water reservoir with 800 m² of total area was water-proofed with the KÖSTER TPO Aqua 1.5 membrane specially designed for drinking water tanks and reservoirs. The time limitation didn't allow the installation of an adhered system that would need substrate preparation and several days of curing. The decision was made in favour of the KÖSTER TPO Aqua membrane that allowed the reservoir to be inactive for 3 days only.

Products: KÖSTER TPO Aqua 1.5





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