

Project:

Vivaqua-Tailfer water treatment facility

Location:

Lustin (BE)

Project completed:

2016

Owner/s:

Vivaqua-Tailfer

Applicator/Contractor:

Vivaqua – Service Travaux

Market sector:

Infrastructure / Water Management

Products used & amounts:

MasterSeal 6100 FX, +- 380 m²

VIVAQUA-Tailfer

Repair and protection of building façade



Our reference project in Lustin (Belgium): the Vivaqua-Tailfer sludge treatment building after remediation

The background

The Tailfer water treatment plant transforms raw water from the Meuse into drinking water and provides around 30% of Vivaqua's production. This is Vivaqua's only surface water catchment.

The challenge

The prefabricated elements on the façade of the Vivaqua-Tailfer sludge treatment plant building were affected by carbonation. There were visible concrete spallings, cracks and reinforcement showing signs of corrosion.

It was necessary to repair and protect the elements while keeping the initial roughcast appearance.

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Our solution

MasterSeal 6100 FX, a lightweight, elastic membrane for waterproofing and protection against carbonation of concrete, was chosen because it has an outstanding rebar protection capacity.

Its texture, thickness, crack-bridging capacity and colour (light grey) have kept the original appearance of the façade.

The customer's benefit

- The building is renovated, retaining the initial roughcast appearance.
- The prefabricated elements are waterproof and protected against efflorescence.
- Thanks to the crack-bridging capacity of the membrane, the elements are protected against cracks.

Projects facts at a glance

- A total of approx. 380 m² of treated area.
- The use of MasterSeal 6100 FX instead of traditional cementitious two-component waterproofing membranes saved approx. 500 kg of waterproofing material.

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