

Project:
Fish meal tanks

Location:
Skagen (Denmark)

Project completed:
2015

Owner/s:
FF Skagen A/S

Applicator/Contractor:
NCC Skagen

Market sector:
Industrial Food & Beverage

Products used:
Inside the tank:

- MasterSeal 531
- MasterSeal P 385
- MasterSeal M 808

Outside the tank:

- MasterSeal 6100 FX

FF Skagen fish meal tanks

Internal waterproofing and external protection



Our reference in Skagen (Denmark): FF Skagen fish meal tanks

The background

FF Skagen A/S is one of the largest producers of fishmeal and fish oil in the world, exporting to over 60 countries worldwide.

FF Skagen A/S is a foundation-owned public limited company founded by fishermen and still owned primarily by fishermen and the fishing industry.

The company has factories in Skagen and Hanstholm.

The challenge

For the inside application, requirement was a waterproofing system with a high chemical resistance to prevent leakages from the fish food tank.

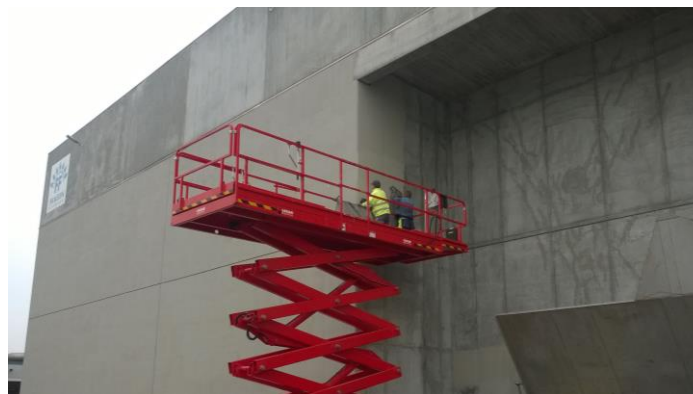
At the same time, the concrete employed to build the structure should be protected from external environment influences.

It was also crucial that the systems were compatible with the concrete substrates that, eventually, could contain a high residual humidity.

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Our solution

The solution selected included the application of a liquid membrane using MasterSeal M 808 on a surface previously primed with MasterSeal P 385 on the internal side of the tanks and MasterSeal 6100 FX on the external face of the concrete tanks.

The customer's benefit

- Availability of a complete solution both for internal and external surfaces.
- MasterSeal 6100 FX maintains its elasticity and crack bridging properties even at -10°C. This crack bridging capacities also help the durability of the membrane
- MasterSeal 6100 FX as finishing protective layer protects concrete against carbonation and offers a concrete grey homogeneous color that avoids the need of an additional aesthetical paint.
- MasterSeal M 808 offers a high chemical resistance and the crack bridging properties ensure a long-term stability of the membrane and prevent water and chemicals to penetrate into the concrete substrate.
- The solution for the application on a recently built substrate that could contain residual humidity with the use of a specific primer.

Project facts at a glance

- 5 tanks with inside total area: 1800 m² waterproofed internally with MasterSeal 6808 System.
- External surface: 800 m² treated with MasterSeal 6100 FX.
- The use of MasterSeal 6100 FX instead of other traditional cementitious two-component waterproofing membranes saved in this job approx. 1,2 tons of waterproofing material.

Master Builders Solutions by MBCC group

The Master Builders Solutions brand expresses MBCC Group's expertise in providing customized chemical solutions for new construction, maintenance, repair and restoration of structures.

Master Builders Solutions is built on the experience gained from more than a century in the construction industry. At the core of the Master Builders Solutions brand is the combined know-how and experience of a global community of construction experts, who connect with you to solve all your construction challenges.

Further information is available at:
www.master-builders-solutions.com/da-dk