



# SIKA AT WORK

## WATERPROOFING AND PROTECTION OF FF SKAGEN FISH MEAL TANKS, DENMARK

CONCRETE PROTECTION: Sikalastic®-6100 FX

BUILDING TRUST



# INTERNAL WATERPROOFING AND EXTERNAL PROTECTION



## PROJECT DESCRIPTION

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.

Project name: Fish meal tanks  
Location: Skagen, Denmark  
Year: 2015  
Market sector: Industrial Food & Beverage

## PROJECT REQUIREMENTS

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.

## SIKA SOLUTIONS

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

## CUSTOMERS BENEFIT

- Availability of a complete solution both for internal and external surfaces.
- Sikalastic®-6100 FX maintains its elasticity and crack bridging properties even at -10°C. This crack bridging capacities also help the durability of the membrane.
- Sikalastic®-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.
- Sikalastic® 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: 1,800 m<sup>2</sup> waterproofed internally. External surface: 800 m<sup>2</sup> treated with Sikalastic®-6100 FX. The use of Sikalastic®-6100 FX instead of other traditional cementitious two-component waterproofing membranes saved in this job approx. 1.2 tons of waterproofing material.

## PROJECT PARTICIPANTS

Project Owner: FF Skagen A/S  
Applicator/Contractor: NCC Skagen

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