



# SIKA AT WORK

## SALMAR FOLLAFOSS FISH FARM, NORWAY

WATERPROOFING: Sikalastic® M 689

BUILDING TRUST



# WATERPROOFING OF SALMAR FOLLAFOSS FISH FARM

## PROJECT DESCRIPTION

**Project name:** Waterproofing of fish farm vessels, Phases 1 and 2.

**Location:** Follafooss, (Norway)

**Construction year:** 2019

**Size in m<sup>2</sup>:**

- SalMar Follafooss Phase 1:
  - Approx. 9,000 m<sup>2</sup>: Sikagard® P 770 and Sikalastic® M 689 waterproofing system.
  - Approx. 3,000 m<sup>2</sup>: Sikafloor® PS-37 flooring system.
- SalMar Follafooss Phase 2:
  - Approx. 7,000 m<sup>2</sup>: Sikagard® P 770 and Sikalastic® M 689 waterproofing system.
  - Approx. 2,000 m<sup>2</sup>: Sikafloor® PS-37 flooring system.

SalMar is one of the world's largest producers of farmed salmon with activity along the coast of Norway.

In 2017 SalMar began building a new onshore smolt nursery at Follafooss in central Norway for the young salmon, or smolts. Phase 1 involved the construction of new tanks while Phase 2 saw existing tanks demolished and replaced with new ones. The new Phase 1 plant comprises 22 pools. Phase 2 comprised 18 pools.

## PROJECT REQUIREMENTS

The concrete tanks required a waterproofing membrane capable of ensuring continuous, leak-free operation while providing a seamless, smooth, and easy-to-clean surface to prevent abrasion injuries to the fish. An equally critical requirement was that the membrane must not contaminate the water, as fish health directly influences the final quality of the salmon.

## SIKA SOLUTIONS

The tanks were waterproofed using a multi-step process. First, the reinforced concrete surfaces were sandblasted to ensure optimal adhesion. Next, Sikagard® P 770 – a primer formulated with Xolutec® technology – was applied to promote strong substrate

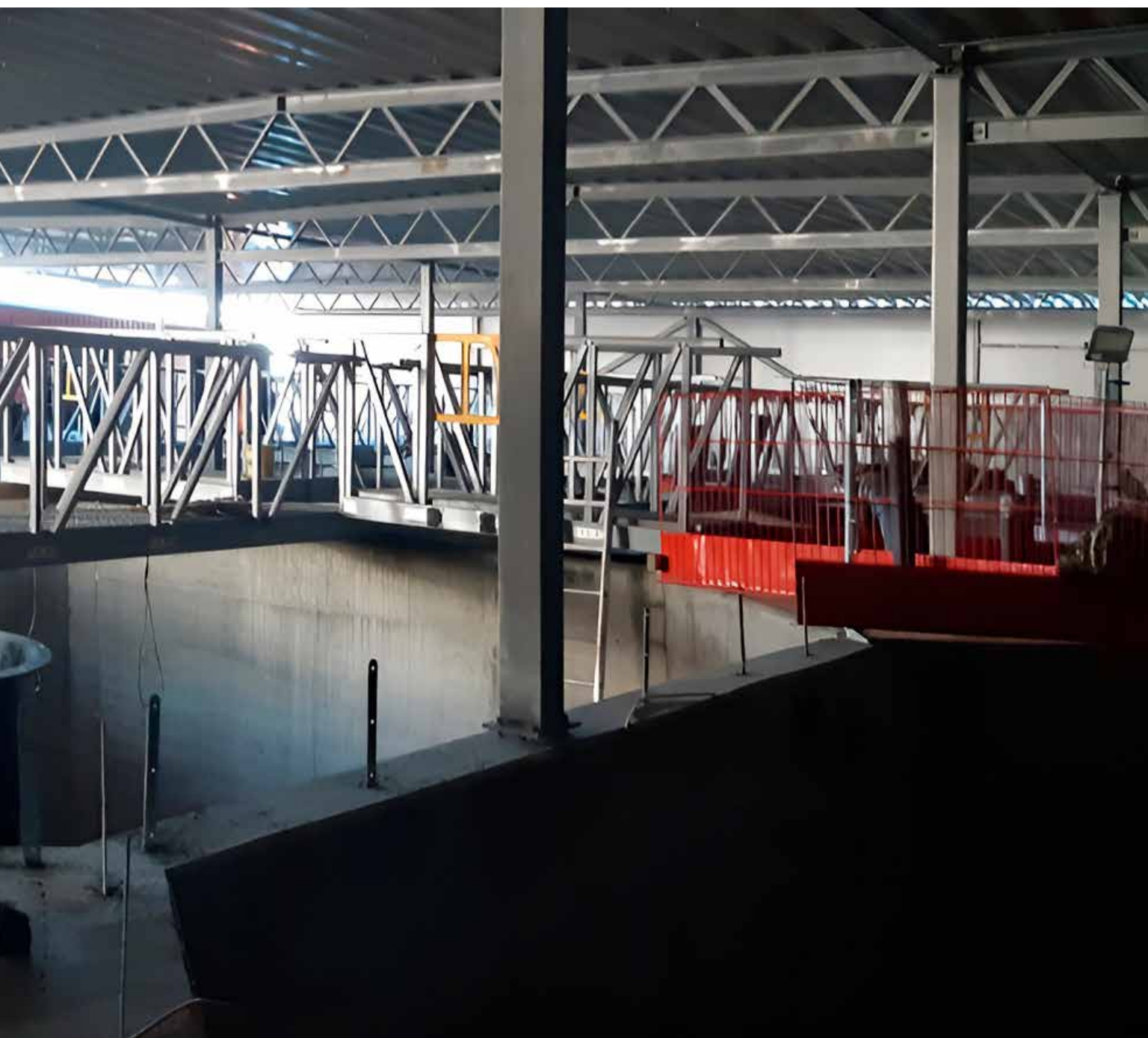


bonding. Finally, the polyurea membrane Sikalastic® M 689 was spray-applied, creating a seamless, durable, and highly elastic protective lining.

In addition to the waterproofing system, an easy-to-clean, resilient, crack

bridging, polyurethane flooring system, Sikafloor® PS-37, was applied to the floors in both phases.





# SALMAR FOLLAFOSS FISH FARM



## PROJECT PARTICIPANTS

Project owner: SalMar Settefisk  
Contractor: Odda Coating Technology AS  
Sika organization: Sika Norway

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