



SIKA AT WORK

WATERPROOFING OF SETTLEMENT TANK IN MILK FACTORY, SPAIN

WATERPROOFING: Sikalastic® M 689

BUILDING TRUST



WATERPROOFING OF SETTLEMENT TANK

PROJECT DESCRIPTION

Project name: Settlement tank in milk factory. Leite Larsa

Location: Outeiro de Rei, Lugo (Spain)

Construction year: 2018

Size in m²: approx. 1,200 m².

PROJECT REQUIREMENTS

Leakages in the settlement tank were identified at the junction between the in-situ concrete slab and the prefabricated stainless-steel wall assembly.

The objective was to implement a durable, high-performance waterproofing system capable of accommodating movement and ensuring long-term adhesion across dissimilar substrates – cast-in-place concrete at the base and stainless steel along the vertical walls.

The selected solution needed to allow for fast-track application with minimal curing time between layers, optimising installation efficiency, reducing labour costs, and accelerating the structure's return to service.

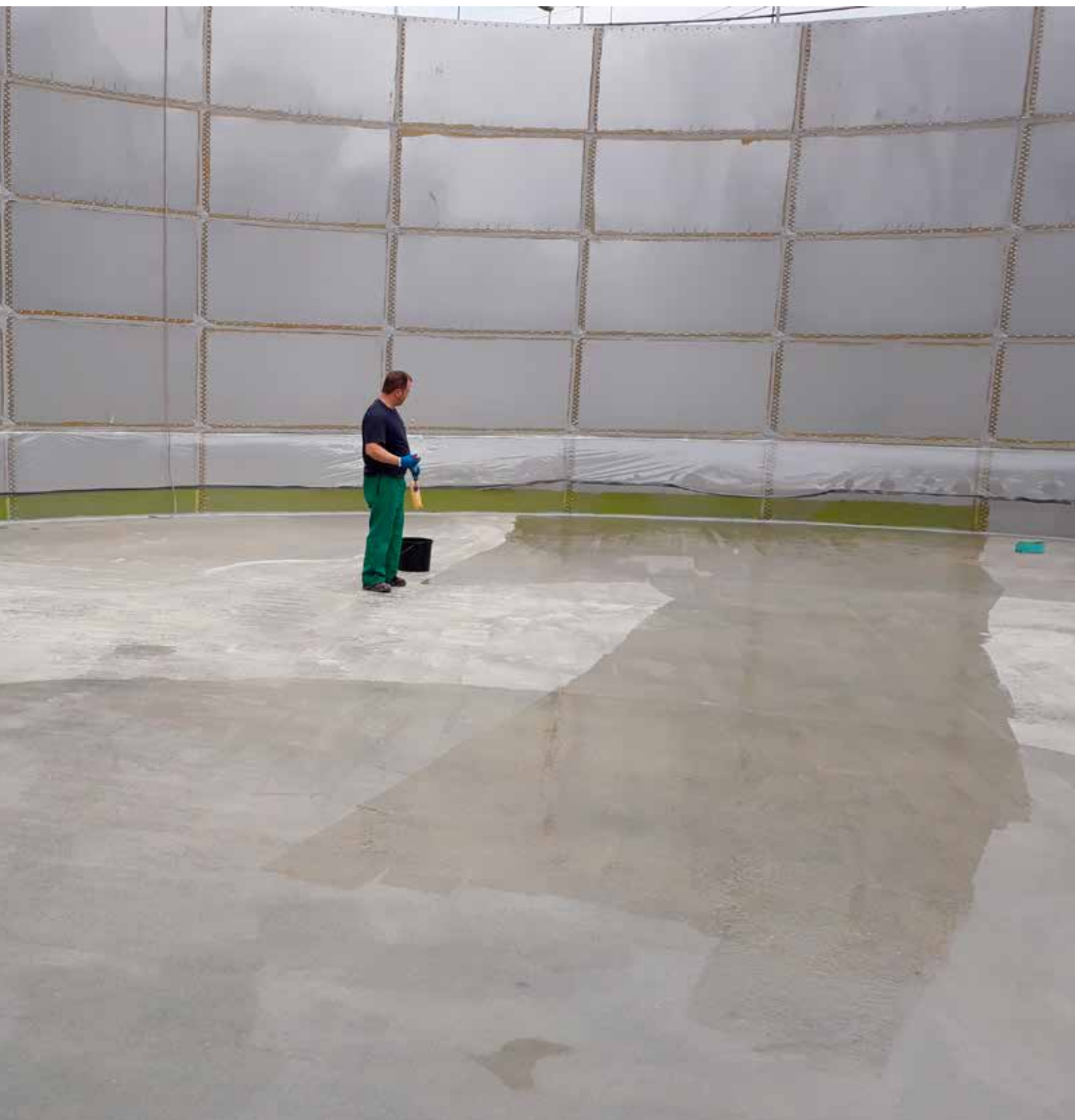
SIKA SOLUTIONS

A high-performance waterproofing system based on pure polyurea was selected for this application:

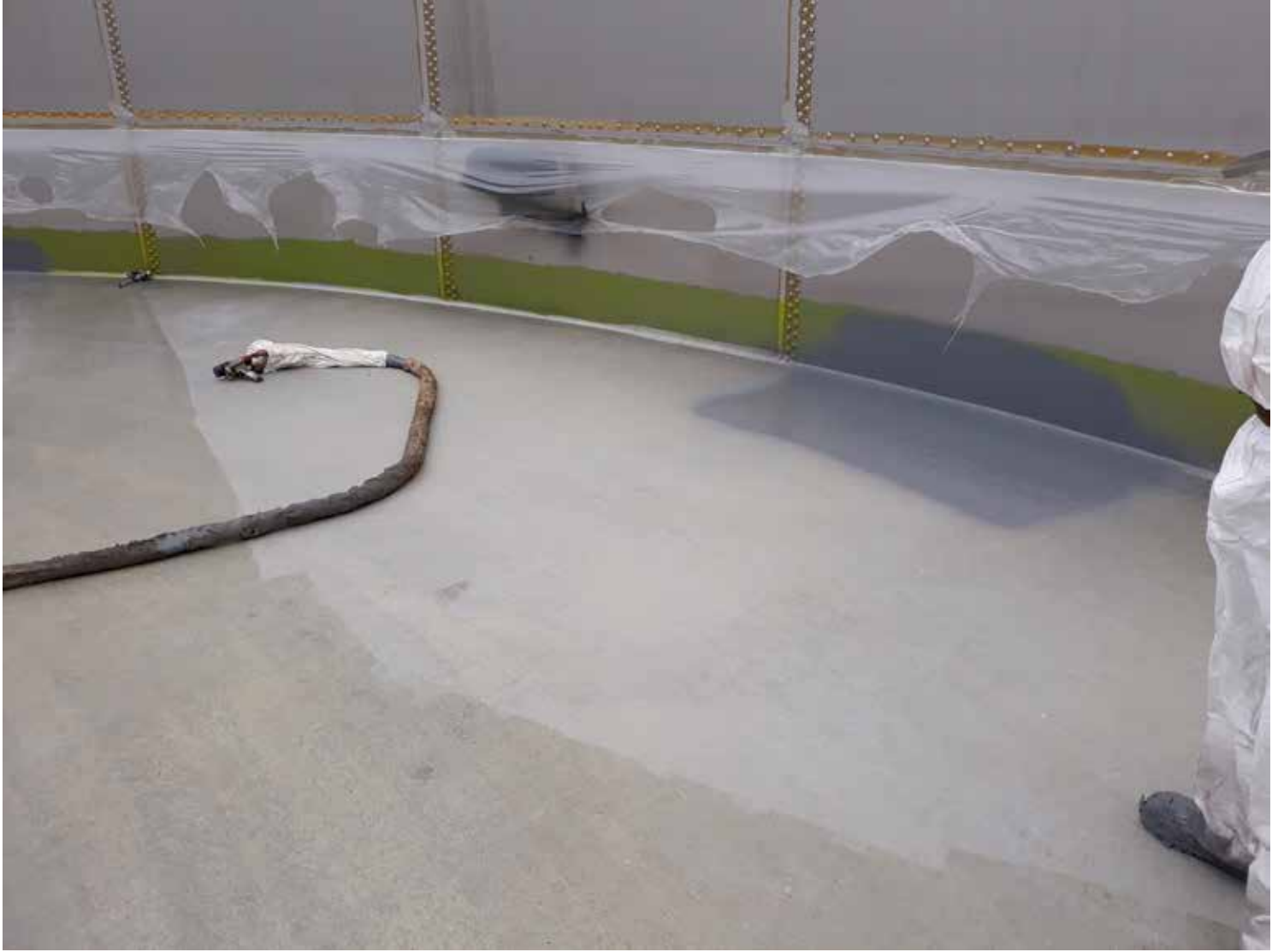
- Substrate priming was carried out using Sikagard® P 770, a primer formulated with Xolutec® technology to ensure excellent adhesion to both concrete and stainless-steel surfaces.
- Waterproofing was achieved using Sikalastic® M 689, a pure polyurea membrane applied via hot spray using a 1:1 volumetric mixing ratio. The process requires specialised high-pressure plural-component equipment and trained applicators to ensure correct installation.

Sikalastic® M 689 is a seamless, elastic, and fast-curing pure polyurea membrane that provides superior waterproofing performance. It offers outstanding crack-bridging capabilities, excellent adhesion to various substrates, and maintains stability under high temperatures. Its rapid curing time (approximately 15 seconds) enables efficient application, while its exceptional mechanical strength and chemical resistance ensure long-term durability in demanding environments.





WATERPROOFING OF SETTLEMENT TANK



PROJECT PARTICIPANTS

Project owner: Leite Larsa S.A.

Contractor: TVMAC

Sika organization: Sika SAU

Any product name or reference reflects the Sika product name at the time of creation of this document and may differ from the product name or reference during past events.

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SIKA SERVICES AG
Tueffenwies 16
CH-8048 Zurich
Switzerland

Contact
Phone +41 58 436 40 40
www.sika.com

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