



SIKA AT WORK

Salt depot protection, Korinthia, Greece

Flooring protection: SikaCor® Elastomastic TF

Wall protection: Sikalastic®-8800

Hydrophobic impregnation: Sikagard®-700 S & Sikagard®-681
Protection

BUILDING TRUST



SALT DEPOT PROTECTION, KIATO, KORINTHIA



PROJECT DESCRIPTION

Olympia Motorway is one of the most important national projects of strategic importance for the development of the Peloponnese, Western Greece and Epirus. It connects three regions and the capital of the country with one of Greece's major gateways to Europe, the port of Patras.

As part of the project, there was a requirement to protect and seal a snow depot for use on highways during the winter, in the Kiato area, for the Corinth-Patras section.

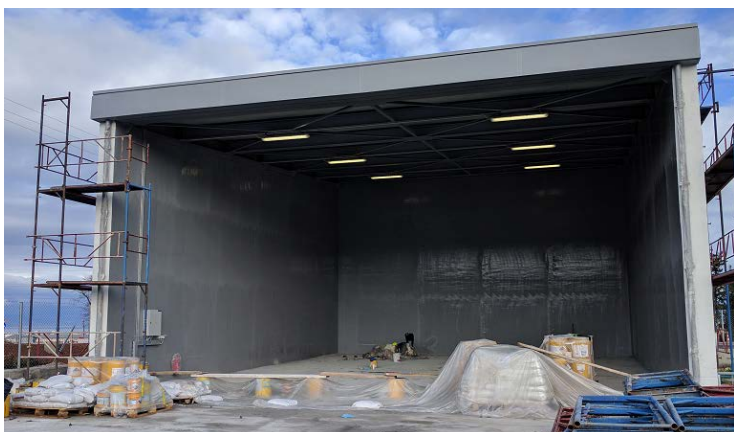
PROJECT DEMANDS

In the salt depot, an anti-corrosion protection and waterproofing system had to be applied to the walls and floors to prevent the corrosion of the structure from direct contact of the concrete substrate with the de-salting compound. The additional requirement for concrete floor was the application of a mechanical stress resistant coating due to the salt loading machines that would enter the site.

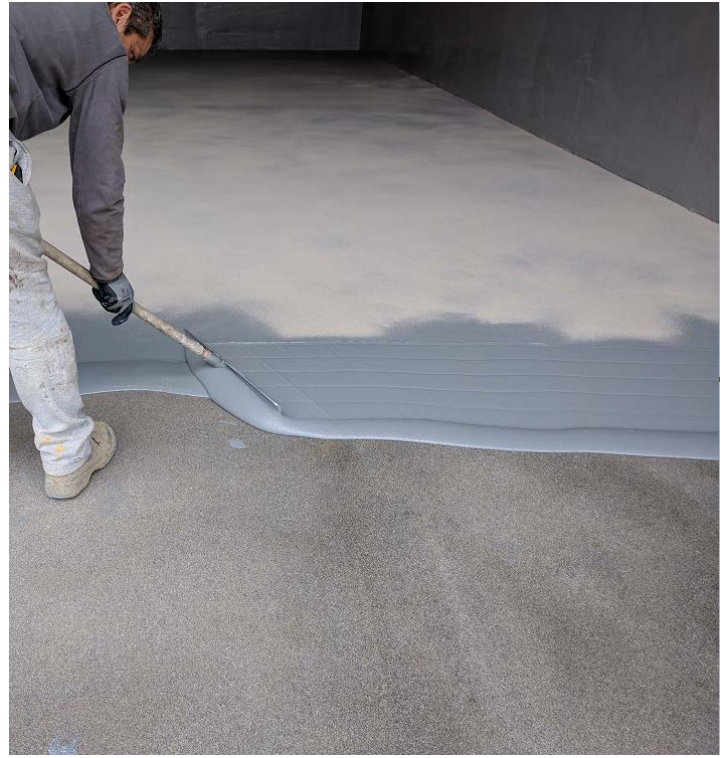
SIKA SOLUTION

For each surface of the depot, a different anti-corrosion protection and waterproofing system was proposed, depending on the stresses that each one would undergo. Therefore, an appropriate system was applied to the interior, exterior and floor surfaces according to the requirements of chemical resistance and mechanical wear (abrasion).

Interior walls (283m²): The 2-component epoxy primer **Sikafloor®-161** was applied, followed by **Sikafloor®-161** scratch coat to smooth the surface. At a final stage, the surface was waterproofed by application of the 2-component, elastic, 100% solid, fast curing, polyurethane based, liquid, highly chemical resistant, sprayable waterproofing membrane **Sikalastic®-8800**. **Sikalastic®-8800** features extremely fast reaction and short curing time, offers almost instant use of area, while its benefits include a wide service temperature range of -30 °C to + 100 °C, excellent cracking ability and high abrasion and chemical resistance.



External walls (325m²): On the exterior surface of the walls, the coating system **Sikagard®-700 S & Sikagard®-681** was applied.



Floor (175m²): **Sikafloor®-161** epoxy primer was applied to the floor in 2 layers and was then broadcasted to excess with quartz aggregates 0,4-0,8mm. As a final coating, the 2-component, hard-elastic epoxy resin based coating **SikaCor® Elastomastic TF** was applied. **SikaCor® Elastomastic TF** is designed as a heavy-duty coating on steel or concrete substrates and features excellent mechanical & chemical resistance.



PROJECT PARTICIPANTS:

Main contractor: **TERNA S.A.**

Sub-contractor: **Emmanouil Kypraios**

Our most current General Sales Terms shall apply.

Please consult the most recent Product Data Sheets prior to any use and processing.



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