



# SIKA AT WORK

## INDUSTRIAL FLOOR FOR PRODUCTION & STORAGE AREAS, SARANTIS GROUP, GREECE

INDUSTRIAL FLOORING: SikaScreed® system, Sikafloor® MultiDur ES-20,  
Sikafloor® PurCem® HS-21 Gloss



**BUILDING TRUST**



# SARANTIS GROUP, INDUSTRIAL FLOORING



## PROJECT DESCRIPTION

SARANTIS Group is one of the leading companies in the production and marketing of consumer products. It was founded in Constantinople in 1930. Since 1956 and until today, the Group is based in Athens.

At the heart of the Group's business lies a rich portfolio of self-produced products, which is constantly updated and developed through continuous R&D processes and strategic product representation partnerships with international companies. Indicatively, SARANTIS Group manufactures and distributes cosmetics, household products, health & care products and selective cosmetics. The Group's international presence has 12 subsidiaries in Europe, exports to more than 40 countries, 2,600 employees, and 80 products in 109,000 points of sale.

GR. SARANTIS S.A., the parent company of the Group is listed on the Athens Stock Exchange since 1994.

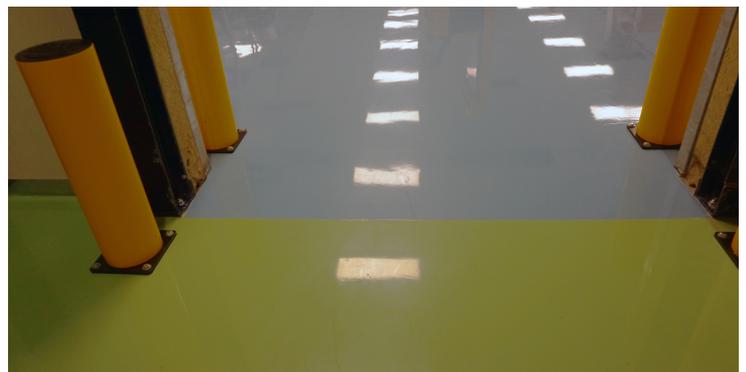
## PROJECT DEMANDS

The project concerns the restoration of the industrial floor at the plant in Oinofyta. A 750m<sup>2</sup> surface area with existing magnesium flooring that had failed due to aging would switch usage and a warehouse should become a production area. Additionally, a 1.750m<sup>2</sup> floor with existing epoxy coating had to be repaired. Furthermore, in a particular area featuring frequent washing, a stress-resistant flooring system was required. A prerequisite for the selected systems was the ease of cleaning and certifications for VOC content and particles.

## SIKA PROPOSAL

A floor in a cosmetic production area had to meet both high hygiene requirements, be easy to clean and also feature high resistance against mechanical stresses. In the cosmetics and health manufacturing and management industries, a clean floor is obviously an essential requirement in order to provide a healthy working environment and forms the basis for a product chain to produce high quality products that meet the required standards in their field.

Sika has a full range of flooring systems for industrial production facilities and product managing areas. The range of Sikafloor® systems is designed to guarantee exquisite performance even under the most demanding operating conditions and meets all the different exposure requirements, while providing design freedom.





### SIKA SOLUTION

For the 750m<sup>2</sup> surface area repair with provision for a use change, a combination of cementitious & then epoxy flooring system was applied. The main reason for this combined application of systems was the substrate conditions, the requirement for high strength floor and the need for short delivery to use.

The existing 25-30mm thick magnesium flooring was stripped and the exposed concrete substrate was mechanically prepared (milling and subsequently high pressure water-jetting).

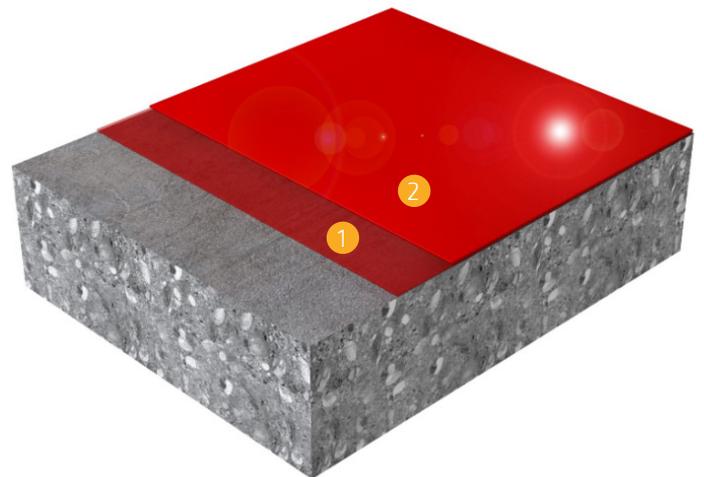
On the prepared concrete substrate **SikaScreed**<sup>®</sup> system was applied, consisting of a 2-component, moisture-insensitive, epoxy-based bonding bridge **SikaScreed**<sup>®</sup>-20 EBB was applied, followed by the fast curing & rapid strength development cementitious mortar **SikaScreed**<sup>®</sup> HardTop-60. **SikaScreed**<sup>®</sup> HardTop-60 is a polymer-modified, fast-curing, cementitious mortar that cures shrinkage-free, features high abrasion resistance and high compressive strength. **SikaScreed**<sup>®</sup> HardTop-60 is the best solution for smoothing floors that need to be overcoated within a short time with Sikafloor<sup>®</sup> resin flooring systems.

**SikaScreed**<sup>®</sup> systems carry a Declaration of Performance and comply with the stringent demands in terms of emissions when used in internal areas.

The 2-component, water-based, epoxy primer **Sikafloor**<sup>®</sup>-155 WN was applied to the **SikaScreed**<sup>®</sup>, followed by a layer of the epoxy-modified, cementitious, self-leveling mortar **Sikafloor**<sup>®</sup>-81 EpoCem<sup>®</sup>, which acts as a temporary moisture barrier prior to application of epoxy flooring. Its main advantages include the ability to overcoat with resin floors after 24 hours (+20 °C, 75% R.H.) and thanks to its characteristics it prevents the formation of bubbles due to osmosis in resin base coatings on fresh substrates.

Subsequently, the **Sikafloor**<sup>®</sup> MultiDur ES-20 system was implemented. **Sikafloor**<sup>®</sup> MultiDur ES-20 is a color, self-leveling epoxy-based flooring system that forms wear-resistant, smooth, glossy finish with limited maintenance requirements. It is suitable for moderate to heavy stress conditions.

LAYER	PRODUCT
1. Primer	Sikafloor <sup>®</sup> -161
2. Wearing Coat	Sikafloor <sup>®</sup> -263 SL N



Its key advantages include special certifications for particles and outgassing, as the final wearing coat, the self-leveling epoxy resin **Sikafloor**<sup>®</sup>-263 SL N is CSM certified (CleanRoom Suitable Materials).



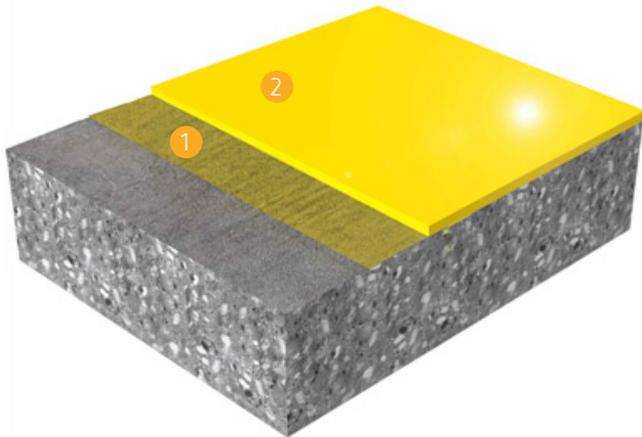
**Sikafloor® MultiDur ES-20** system was also applied to the 1.750m2 surface area where existing epoxy flooring had to be restored. The system was applied to the existing epoxy system, as there was chemical compatibility between the existing and the new system. After the floor was mechanically prepared to ensure proper application of the new system on a stable substrate, **Sikafloor® MultiDur ES-20** was laid.



Configuration of the 'health' angles and the covings was performed with **Sikafloor®-29 PurCem®** & **Sikafloor®-31 PurCem®**.

For an intermediate area, where frequent washing takes place, the smooth, glossy, hybrid (cement/polyurethane) flooring system **Sikafloor® PurCem® HS-21 Gloss** was applied. **Sikafloor® PurCem® HS-21 Gloss** system features good chemical resistance, dense structure, scratch-resistant surface, high mechanical strength, low dirt pick-up and is easy to clean and maintain. The system features a multitude of certificates, in terms of ease of cleaning & minimal volatile emissions.

LAYER	PRODUCT
1. Levelling	Sikafloor®-260 PurCem®
2. Final layer	Sikafloor®-210 PurCem®



Our most current General Sales Conditions shall apply. Please consult the most current local Product Data Sheet prior to any use.



**PROJECT PARTICIPANTS:**

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