



SIKA AT WORK

White Rock of Kos, Kos, Greece

POOL WATERPROOFING & SURFACE PROTECTION with SikaTop®-129
Sunshine & Sika® Fibernet

BUILDING TRUST



WHITE ROCK OF KOS, GREECE



PROJECT DESCRIPTION

Perched on the highest point of scenic Kefalos, with stunning sea view, the newly built White Rock of Kos is a brand new 5-star hotel in Kos. It has 41 luxurious rooms, central swimming pool, restaurant, fitness center and spa services, jacuzzi, sauna, massage and Turkish bath facilities. The distinctive architectural style and decoration principles of White Rock of Kos are characterized by sophisticated elegance with modern aesthetics. Designed according to the standards of modern minimalism, White Rock of Kos exudes a romantic atmosphere and promises an incomparable holiday experience. The rooms and suites of White Rock of Kos are elegant in style with modern touches, with decoration that creates a warm breeze and a sense of intimacy. White is the dominant color of accommodation, highlighting the simplicity of the hotel's character. The rooms and suites of White Rock of Kos are comfortable, with a dominant sense of space and light, fully equipped with all the amenities of a luxurious five-star hotel and verandas offering stunning sunset views. The hotel's swimming pool was designed to be a permanent attraction, offering a cool breath of relaxation overlooking the blue waters of the Aegean Sea.

PROJECT DEMANDS

The aim of the White Rock of Kos hotel was to create a relaxation haven, especially for those who want to experience the authentic luxury of Kos. A hotel construction of this quality and level, in one of the most attractive tourist destinations in Greece, which attracts both domestic and foreign tourists, must offer pool facilities. The White Rock of Kos Hotel has a total of 17 pools: The central - shared and 16 signature pool suites. The total area of all swimming pools is ~1,500m². For all swimming pools a waterproofing and protection system was required, offering high resistance performance against the intense stresses that the construction itself is submitted to and the aggressive environment location of the hotel (seaside environment). Moreover, the selected system had to be fully harmonized with the style and aesthetics of the hotel (uniform and total white surface, without joints and connections, expressing the ideals of design and style of the overall construction).

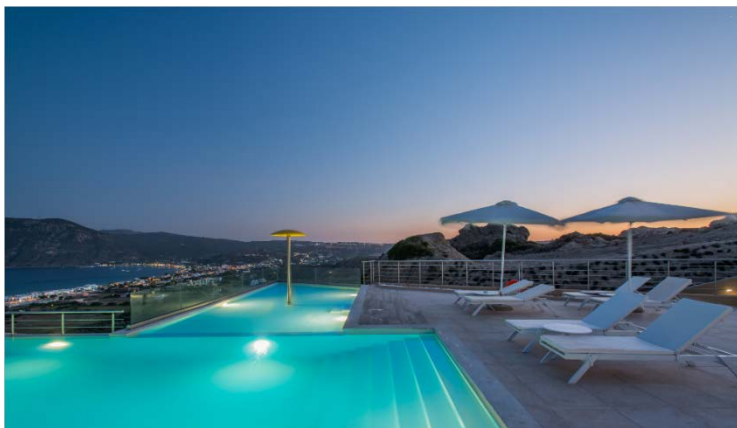
SIKA SOLUTION

Considering all the above parameters and demands, **SikaTop®-129 Sunshine** cementitious, waterproofing mortar was proposed and selected to form the final surface of the pools, which at the same time offered protection, watertightness and the ability to form a uniform, high strength and resistant final surface. **SikaTop®-129 Sunshine** is a two-component, white, low-modulus, cementitious waterproofing mortar. It consists of a cementitious, polymer modified, containing special granulometry aggregates, selected admixtures and an emulsion that offers flexibility to the final mixture.



APPLICATION PROCESS

Initially, the surface was mechanically prepared, removing cement laitance, forming a suitable quality substrate. After thorough mixing of the pre-weighed components of **SikaTop®-129 Sunshine**, application was performed with a notched spatula. On this first mortar layer, the **Sika® Fibernet** alkali-resistant glass fiber mesh was applied. **Sika® Fibernet** glass mesh was then fully embedded and coated by applying a second layer of **SikaTop®-129 Sunshine** mortar. As the mortar features excellent application properties on vertical surfaces (even on overhead surfaces), the same procedure was followed for all the vertical elements and the particular details of the swimming pool. The final finishing/smoothing was performed with a grinder, as soon as the mortar layer began to stiffening.



SikaTop®-129 Sunshine is used:

- As a waterproofing coating suitable for direct contact with swimming pool water
- As a concrete surface protection coating, to improve durability
- For protection of concrete surfaces, aiming to increase their resistivity and resistance
- For waterproofing and protection of hydraulic structures such as basins, tanks, swimming pools, concrete piping
- As a flexible protective coating for reinforced concrete structures, against the effects of de-icing salts, freeze-thaw cycles and carbon dioxide
- For waterproofing and protection of roofs and relatively small pool, weather exposed surrounding areas (subject only to foot traffic).

SikaTop®-129 Sunshine is suitable for:

- Protection against ingress (Principle 1, Method 1.3 of EN 1504-9:2008). It creates a carbon dioxide barrier coating.
- Moisture control (Principle 2, Method 2.3 of EN 1504-9:2008)
- Increasing resistivity (Principle 8, Method 8.3 of EN 1504-9:2008)

PROJECT PARTICIPANTS:

Owner: **GLVP Anonymous Tourist & Construction Company**





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

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