



SIKA AT WORK

Complete Sika systems for luxurious villa, Mykonos

ROOFING: Sika® Concrete Primer, Sikalastic®-612, Sika® Reemat Premium,
Sikalastic®-570 TC

CEMENTITIOUS DECORATIVE SYSTEM: SikaDecor®

FLOOR & WALL COAT: Sikafloor®-305 W

BUILDING TRUST



COMPLETE SIKA SYSTEMS FOR LUXURIOUS VILLA, MYKONOS



PROJECT DESCRIPTION

The project is about submitting full system proposal for a luxurious villa in Mykonos. The surrounding area of the villa had to be urgently repaired, as the existing waterproofing system had failed. In addition to that, the interior of the house the aesthetics of the final surface and the spaces had to be re-shaped in total.

APPLICATION DEMANDS

The existing waterproofing layer (acrylic membrane) of the surrounding area of the villa had failed. The new applied system should exhibit high resistance to UV radiation and atmospheric chemicals – common stresses in Cycladic islands. Moreover, due to the original architecture of the Cycladic Island, as well as the aesthetics of the residence itself and the requirement of its harmonization with the surrounding area, the final shade of the horizontal surface of the roof had to be extra-white to match the aesthetics of the houses in the Aegean Sea.

In addition, there was a requirement to remodel the bathrooms in the villa, using a system that perfectly matched the overall aesthetics of the space and which does not have joints - a requirement for a perfectly uniform surface.

Finally, all floor and wall surfaces had to be freshened, with extremely low-emission coatings (applicator and user-friendly) which also could be easy to clean.

SIKA SOLUTION

Taking into account all the above parameters and the individual requirements, several Sika systems were selected for each application type.

Roof waterproofing of surrounding area / roofs: Waterproofing of the surrounding area was performed using **Sikalastic®** liquid applied membrane system. The system comprises of a primer, liquid applied, MTC® polyurethane base coat, reinforcement and final, UV resistant coating.

The multiple advantages of the system include its application easiness (applied by roller, without use of specialized and complex equipment), its application safety (cold applied, without use of flame, almost immediate resistance against rain fall), high aesthetic of the final surface (seamless surface, totally uniform), its high mechanical resistance (reinforced system, resistance against contraction-expansion), long term resistance against weathering, ageing and UV action (final coat is UV resistant), high reflectivity of the final surface (solar radiation, keeping cold roof, using white RAL9016).

Microcement, decorative system for bathrooms: For the bathrooms, the **SikaDecor®** system was used. **SikaDecor®** system is a high quality cementitious “screed” system.

Wall & floor coating: For the walls & floors the polyurethane coating **Sikafloor®-305 W** was used, which features great easiness in cleaning, while exhibits exceptional resistance against yellowing and UV radiation.

APPLICATION PROCEDURE

Roof waterproofing of surrounding area / roofs: Initially the surface was prepared by removing loose segments and applying the polyurea / polyurethane based primer **Sika® Concrete Primer**.



Its main advantages include the cure speed – overcoating is possible after 30 minutes - the significant reduction in the event of outgassing and the stabilization of dusty and friable substrates.

Then the application of the base coat followed, using the 1-component, **MTC®** polyurethane membrane **Sikalastic®-612**, into which the glass fleece **Sika® Reemat Premium** was embedded. **Sikalastic®-612** is easy to apply and the glass fleece embedment offers top dimensional stability against thermal fluctuations (day-night).

Sika’s **MTC®** systems describe liquid applied membranes based on a unique curing technology type, which is activated by moisture, but remains unaffected from it during curing. This means that these membranes can cure over a wide range of conditions, including extreme temperature and humidity fluctuations. Unlike conventional polyurethane liquid membrane systems, they do not release CO₂, which often causes foaming phenomena and their application is not affected by adverse environmental conditions.



On the reinforced base coat the final, reflective coating **Sikalastic®-570 TC** was applied. **Sikalastic®-570 TC** is resistant against yellowing and UV radiation, while features high reflectivity properties (RAL 9016 – extra-white) and remains permanently elastic and offers crack bridging possibility.



Cementitious decorative system for bathrooms: On the bathrooms of the villa, the **SikaDecor®** decorative, cementitious system was used, comprising of:

- Water based primer **SikaTop®-10** or **Sika® Primer-11 W**
- Decorative cementitious coating **SikaDecor®-801 Nature**, which can be mixed with pigments
- Polyurethane, 2-component, water based sealer **Sikafloor®-304 W**



Wall & floor coating: On walls & floors **Sikafloor®-305 W** coating was applied, which creates a uniform aesthetic appearance in the area, contributing to the sense of uniform aesthetic in the house atmosphere, harmonizing with the external environment. The great ease of application, combined with its high mechanical characteristics and ease of cleaning made it the top choice for the villa.



PROJECT PARTICIPANTS:

Applicator contractor: **VIDOS Ltd**



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