

RAYSTON SYSTEMS FOR TERRACES

Impermax + Pavistone 1K

Decorative systems - Terrace in private apartment - Salou, Spain

BASIC INFORMATION

Impermax Decor system with Pavistone finish is a perfect combination of Rayston's waterproofing and flooring systems. Due to its high aesthetical value it's an appropriate solution for terraces and balconies. For that reason, Impermax Decor was chosen also for the terrace in the private apartment in Salou, Costa Dorada.

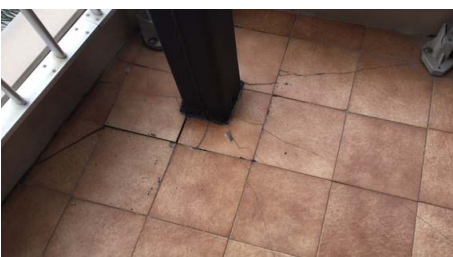


ABOUT THE WORK

Waterproofing layer: Impermax with fiberglass reinforcement

Top Coat: Pavistone 1K with clean and dry marble stone

Type of application: Cold-applied



WORK STAGES

WATERPROOFING STAGE

1. Support Preparation

The tiles which were covering the terrace in front of the sea were old, and some of them even broken. so before the application of the system, the whole layer of tiles was removed from the support.



In order to level the surface after removing the tiles, **Rayston Level 503** was applied. The self-levelling support preparation mortar is a good choice if you need to turn a rough and uneven support into a levelled, well prepared surface, ready to support all following system layers.

2. Primer

On top of the mortar, Krypton Chemical's **Humidity Primer** was used. This epoxy absed primer is often used in waterproofing systems, and can even be applied on supports with rest humidity over 4%.

FAST DESCRIPTION:

Place: Private apartment, Salou, Tarragona

System: Waterproofing system Impermax Decor with Pavistone finish



3. Waterproofing membrane

The first layer of the waterproofing membrane was 1kg/m² of with **Rayston Fiber** fiberglass reinforced **Impermax**. After that, a second layer of 1kg/m² Impermax without reinforcement was applied.



FLOORING STAGE

Impermax Decor System has many different possible finishes. One of them is the Pavistone Flooring system, which is basically resin bound natural marble stone. It creates a decorative antislip surface with the aliphatic resin Pavistone 1K.

4. Primer

In order to assure a good adhesion to the previous layers, **Porosity Sealer Flex** was used as primer between the two systems.

5. Resin bound stone

Applying the Pavistone systems is actually quite simple. The clean and dry marble stone has to be mixed thoroughly with **Pavistone 1K** resin. Then, the mixture is applied with a trowel and horizontal movements onto the surface. The stone has to be compacted.

In Salou, two sizes of stones were used: 1-3mm and 3-6mm at a ratio of 1:1 and with a 5,5% of **Pavistone 1K** resin, a single component, aliphatic polyurethane resin which builds a surface resistant to thermal shocks and UV rays.



As a special decorative element, a metal mold was used on the terrace in Salou to form the design of a star, with a 2m diameter.

6. Top Coat

24-48h after the Pavistone Application, **Rayston Floor Top 1K** was applied as top coat. This aliphatic polyurethane resin seals the surface and gives an extra protection against foot traffic, something a terrace must resist in summer.

RAYSTON SYSTEMS BY KRYPTON CHEMICAL:

All RAYSTON SYSTEMS are conceived for professional flooring and waterproofing applications and certified according to their intended uses by independent laboratories from several countries.

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