

RAYSTON PROOF PU POOL

Properties of the Waterproofing Membrane

Supply and installation of the Rayston Proof PU POOL system, with **Impermax** from Krypton Chemical or equivalent, with (ETE) according to ETAG 005, and BBA (British Board of Agreement) according to NHBC 2022 Standards for highly elastic and resistant roof waterproofing, for a minimum thickness of 1.6 mm, with Shore A hardness 70, tensile strength 3.4 MPa, elongation 421%, applicable on slopes from S1 to S4, with a perforation resistance equivalent to P4 at a temperature of TH4 (90°C), according to the ETAG 005 guide from EOTA, fire resistance B Roof t1 (according to UNE - EN 13501-5), with a useful life W3 (25 years) for the S (severe) climate zone and root penetration resistance according to UNE 53420.

Product Description of the System

Consisting of the application, if the substrate is dry, of a coat of 0.5 kg/m² of 100% solid epoxy primer with the product: **Epoxy Primer 100** by Krypton Chemical or equivalent, using a roller or airless machine.

If the substrate is wet, apply 0.5-0.6 kg/m² of **Primer GC**, or similar, to seal the surface porosity.

Details and specific points such as drain areas, horizontal-vertical joints, and seams, the system must be reinforced with a geotextile 100-150 g/m² type **Geomax** from Krypton Chemical or similar.

Two layers of a moisture-cured polyurethane membrane at a rate of 1 kg/m² per layer, for a total of 2 kg/m², with the product **Impermax** from Krypton Chemical or equivalent applied with a roller.

System sealing by applying 0.4-0.5 kg/m² of high resistance aliphatic polyurethane, chlorinated water-resistant, **Paintchlore 2K** from Krypton Chemical or equivalent, applied by roller or airless machine. Colours: Blue or White.

If there is a risk of negative hydrostatic pressure in the pool, apply a first layer of **Tecnocem** (minimum 2 kg/m²).

If a mosaic finish is desired, to improve adhesion between the membrane and the mosaic or ceramic tiles: Apply an additional layer of **Impermax ST** or **Impermax QC** 0.3-0.5 kg/m², while fresh, sprinkle aggregates (0.3-0.8 mm), 1 kg/m².