

RAYSTON PROOF PU DECOR

Properties of the Waterproofing Membrane

Supply and installation of the Rayston Proof PU DECOR system with **Impermax** by Krypton Chemical, or equivalent, with European Technical Assessment (ETA) in accordance with ETAG 005, and BBA certification (British Board of Agrément) according to NHBC 2022 Standards, for highly elastic and resistant roof waterproofing.

The system must have a minimum thickness of 1.6 mm, Shore A hardness of 70, tensile strength of 3.4 MPa, elongation of 421%, and be applicable on slopes ranging from S1 to S4. It must also have puncture resistance equivalent to P4 at temperature class TH4 (90°C), in accordance with EOTA's ETAG 005 guideline.

Fire resistance must comply with classification B Roof(t1) according to UNE - EN 13501-5. The system must ensure a service life of W3 (25 years) in severe (S) climatic conditions and be resistant to root penetration in accordance with UNE 53420.

Product Description of the System

Consisting of the application of a 0.3–0.5 kg/m² layer of water-based epoxy primer using the product: *Imprimación H* manufactured by Krypton Chemical or equivalent, applied with a roller or airless spray machine.

Details and singular points, such as drainage areas, horizontal-to-vertical transitions, and joints, must be reinforced with a 100–150 g/m² geotextile such as **Geomax** by Krypton Chemical or equivalent.

Two coats of a single-component, moisture-cured polyurethane membrane shall be applied at 1 kg/m² per coat, for a total consumption of 2 kg/m², using the product **Impermax** by Krypton Chemical or equivalent, applied with a roller.

Sealing system:

1. Application of 0.3 kg/m² of **Colodur** pigmented, single-component, solvent-based aliphatic polyurethane by Krypton Chemical or equivalent, applied with a roller or airless spray machine on concrete or mortar surfaces.
2. Broadcast quartz aggregates to saturation at a rate of 2.5 kg/m².
3. Sealing with 0.3 kg/m² of **Colodur** transparent or equivalent (0.45 kg/m²).