

RAYSTON PROOF PU INVERTED

Properties of the Waterproofing Membrane

Supply and installation of the Rayston Proof PU INVERTED system, with Impermax by Krypton Chemical or equivalent, with European Technical Assessment (ETA) according to ETAG 005, and BBA certification (British Board of Agreement) 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 the ETAG 005 guidelines by EOTA.

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 according to 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: **Humidity Primer** manufactured by Krypton Chemical or equivalent, applied with a roller or airless spray machine;

Details and singular points, such as in drainage areas, horizontal-vertical joints, and seams, must be reinforced with a geotextile of 80-150 g/m², such as **Geomax** by Krypton Chemical or equivalent.

Two layers of a moisture-curing, single-component polyurethane membrane, applied at a rate of 1 kg/m² per layer, for a total of 2 kg/m², using **Impermax** by Krypton Chemical or equivalent, applied with a roller.

Thermal insulation: XPS BOARD, available in various thicknesses depending on project requirements: 30, 40, 50, 60 mm.

Protective layer: GEOTEXTILE. Similar to **Geomax Protect**.

Finish: Gravel.