

## RAYSTON PROOF PU COOL ROOF

### Properties of the Waterproofing Membrane

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

Minimum thickness of 1.6 mm, Shore A hardness of 70, tensile strength of 3.4 MPa, elongation of 421%. Suitable for application on slopes ranging from S1 to S4, with a puncture resistance equivalent to P4 at temperature class TH4 (90°C), according to ETAG 005 guidelines from EOTA.

Fire resistance rating B Roof (t1) according to UNE-EN 13501-5, service life rating W3 (25 years) for severe climate zone S, and root penetration resistance compliant with UNE 53420.

### Product Description of the System

Consisting of the application of a 0.3–0.5 kg/m<sup>2</sup> layer of 100% solids epoxy primer using the product: **Primer Epoxy 100** by Krypton Chemical or equivalent, applied with a roller or airless spray machine.

Details and singular points such as drainage areas, horizontal-vertical joints, and expansion joints must be reinforced with a 100–150 g/m<sup>2</sup> geotextile, such as **Geomax** by Krypton Chemical or similar.

Two coats of moisture-cured polyurethane membrane shall be applied at a rate of 1 kg/m<sup>2</sup> per coat (total 2 kg/m<sup>2</sup>) using **Impermax** by Krypton Chemical or equivalent, applied by roller.

The system shall be sealed by applying 0.3–0.5 kg/m<sup>2</sup> of **Colodur** white pigmented, single-component aliphatic polyurethane (solvent-based), using a roller or airless spray machine on concrete or mortar surfaces.