

RAYSTON PROOF PU GREEN ROOF

Properties of the Waterproofing Membrane

Supply and installation of the Rayston Proof Green Roof system with **Impermax** by Krypton Chemical or equivalent, with European Technical Assessment (ETA) according to 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 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 100% solids epoxy primer using the product: **Epoxy Primer 100** by Krypton Chemical or equivalent, applied with a roller or airless spray machine at a rate of 0.5 kg/m² in two coats.

Impermax or equivalent, reinforced with Geotextile such as **Rayston Fiber 150 g/m²**.