

RAYSTON PROOF PU SPRAY GREEN ROOF

Properties of the waterproofing membrane

Supply and installation of RAYSTON PROOF PU SPRAY GREEN ROOF system, with Krypton Chemical **Impermax 2K** or equivalent, with (ETE) according to DEE 030350-00-0402 for hot liquid applied roof waterproofing based on a bio-based high carbon polyurethane with respect to total organic carbon.

Elastic and resilient system, for a minimum thickness of 1.9 mm, with Shore hardness A 83, tensile strength 13 MPa, elasticity 350%, possibility of application on a slope from S1 to S4, with a punching resistance equivalent to P4 (approx. 25 kg/cm²) at a temperature TH4 (90°C), according to EOTA Guide DEE 030350-00-0402, fire resistance B Roof t1 (EN 13501 and with a useful life W3 (25 years) for climate zone S (severe), and with certification of resistance to root penetration according to UNE-EN 13948.

Description of system products

Consisting of application of one coat of 100% solids epoxy primer with the product: Krypton Chemical **Epoxy 100 Primer** or equivalent 0.5 kg/m², using roller or *airless* machine; one coat of 100% solids polyurethane at the rate of 2 kg/m² with Krypton Chemical **Impermax 2K** or equivalent applied by spraying equipment suitable for two-component hot systems;

Subsequent placement of a needle-punched and thermo-welded geotextile based on 200gr/m² synthetic fibres (¹**Geomax Spray NMDC** from Krypton Chemical or similar.

Subsequent laying of drainage mesh, as required by the project.