

RAYSTON PROOF PUA H GREEN ROOF

Properties of the waterproofing membrane

Supply and installation of Rayston Proof PUA H Green Roof System with Krypton Chemical's **Impermax Polyurea H** 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 slopes from S1 to S4, with a puncture 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 using roller or *airless* machine at a rate of 0.5 kg/m² applied in two coats; one coat of 100% solids polyurethane at a rate of 2 kg/m² with Krypton Chemical **Impermax Polyurea H** product or equivalent applied using spraying equipment suitable for two component hot systems; following with a 200 g/m² system protective geotextile and a drainage sheet as per project requirement.