

RAYSTON PROOF PUA RADON GAS SHIELD

Properties of the waterproofing membrane

Supply and installation of RAYSTON PROOF PUA RADON GAS SHIELD system for waterproofing and radon gas barrier system to achieve a barrier for floors, or buried walls, with **Rayston Spray D50** pure polyurea from Krypton Chemical or equivalent.

System Applied using spraying equipment suitable for two-component hot systems; elastic and highly resistant, with Shore D 55 hardness, tensile strength of 26 MPa, elongation 500%, with radon gas barrier certification according to CTE requirements, crack bridging (-20°C) according to UNE-EN 1062-7:2004 Method B - B.4..2 root resistance according to UNE-CEN/TS 14416:2014 EX, compressive strength according to UNE-EN ISO 604:2003, low permeability to methane gas $140 \text{ Ncm}^3 \times \text{mm} / \text{m}^2 \times \text{day} \times \text{bar}$ according to (DIN 53380/ISO 15105-1), water vapour permeability class III (Dense against water vapour) according to UNE-EN ISO 7783, and low permeability to carbon dioxide $\mu = 50484$. Sd > 50 (for a thickness greater than 1 mm) according to (EN ISO 7783:2012).

IN CASE OF CONCRETE, BONDED SYSTEM:

Consisting of the application of 0.3-0.4 kg/m² of epoxy primer with the product: Krypton Chemical **Rayston Epoxy 100** or similar.

IN CASE OF A FLOATING SYSTEM:

Consisting of the installation of a geotextile **Geomax Spray NMDC** from Krypton Chemical or equivalent, mechanically fixed, non-woven fabric of polypropylene fibres needle-punched on one side and thermally calendered on the other side.