



# Rayston Proof PU POOL

Swimming pool waterproofing  
system with concrete support

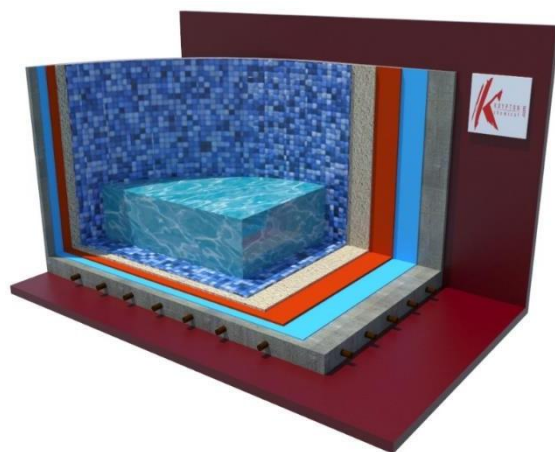
**Description:** Cold waterproofing system for swimming pools applied in liquid form. The system can be used on concrete substrates due to its ability to bridge cracks. This system can be used as an exposed membrane or covered by tiles.

**Note:** In case of negative pressures apply Tecnocem pre-treatment (2 Kg/m<sup>2</sup>). 3-component epoxy system with osmotic cement for substrates with occluded humidity.

**Typical applications:** The RAYSTON PROOF PU POOL system is an ideal choice for waterproofing sports, public and private pools. It can be used in new pools or in rehabilitation of pools with water leaks.

## Advantages:

- Excellent adhesion to concrete substrates.
- Obtaining a totally continuous membrane, without joints or overlaps.
- Crack bridging capability.
- Possibility of application in structures with complicated geometries.
- Possibility of application in new construction and rehabilitation.
- Top coat Paintchlore 2k High resistance to UV and chlorine.



Approximate thickness of the system: 2-2.8 mm

## SYSTEM STEPS

BASE: Concrete cured >28 days, humidity <4%, no rising damp, strength >1.5N/mm<sup>2</sup>, Temp.> 10°C, without any contamination, grease, dust, open pores. contamination, grease, dust, no open pores.

### PRIMER

#### Rayston Epoxy 100 (Dry substrate)

0.5 Kg/m<sup>2</sup>

Two-component universal epoxy primer, low viscosity and high performance. Note: Apply two coats vertically and one horizontally. As an alternative of vertical application apply with trowel (depending on the state of the support) 1- 3kg/m<sup>2</sup> of Epoxy Gel. That will act as a primer and regularization of support.

#### Primer GC (Moist Substrate)

0.5-0.6 Kg/m<sup>2</sup>

Two component, solvent free, low viscosity, fast curing, two component epoxy resin.

### MEMBRANE

#### Impermax ST / Impermax QC + Reinforcement

2 Kg/m<sup>2</sup>

Single component cold applied polyurethane system. It has high chemical resistance and high mechanical properties.

2 coats on horizontal surfaces and 3 on vertical surfaces.  
Apply Rayston Fiber 150 reinforcement to the first layer.

### ADHESION LAYER OR TOP COAT

#### Impermax+ aggregates / Paintchlore 2k

0.3 Kg/m<sup>2</sup> / 0.5 Kg/m<sup>2</sup>

Impermax+ aggregates will only be applied in case the pool liner is tiled, to improve the adhesion between the polyurethane membrane and the tiles. Aggregate supply: 1 kg/m<sup>2</sup>, size (0.3-0.8mm). In case of an exposed membrane, Paintchlore 2k aliphatic finish will be applied. See application method in the cold pool manual.

The different products should be chosen based on the needs of the substrate and the conditions of the job site. The information contained in this data sheet, as well as our advice, whether written, verbal or by testing, is given in good faith based on our experience and the results of tests carried out by independent laboratories, and does not constitute a guarantee for the applicator, who should take it as a purely indicative reference and for information purposes only. All our technical data sheets of systems and products are regularly updated. It is the customer's responsibility to obtain the most recent version.