



# Rayston Proof **PU POOL**

Swimming pool waterproofing system with concrete support surface.

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

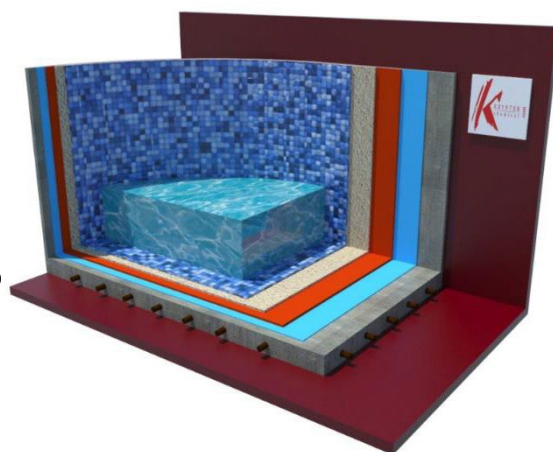
Note: In cases of negative pressure, apply Tecnocem pre-treatment (2kg/m<sup>2</sup>). Tri-component epoxy system with osmotic cement for substrates with occluded humidity.

**Typical applications:** The RAYSTON PROOF PU POOL system is an ideal choice for waterproofing sports, public and private swimming pools. It can be used in new pools or when refurbishing leaking pools.

## Advantages:

- Excellent adhesion to concrete support surfaces.
- Achieves a completely continuous membrane, without seams or overlaps.
- Crack bridging capability.
- May be applied to structures exhibiting complex geometries.
- May be applied during both new construction projects and refurb

**Approximate system thickness:** 2-2.8mm



## SYSTEM STEPS

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

### PRIMING

#### Epoxy primer 100 (Dry support surface)

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

Dual-component, low-viscosity, High-performance universal epoxy primer. Note: Apply two coats vertically and one horizontally. As an alternative for vertical application, apply 1- 3kg/m<sup>2</sup> of Epoxy Gel (depending on the state of the support surface) with a trowel. It will prime and regularise the support surface.

#### GC Primer (Wet Support Surface)

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

Dual-component, solvent-free, low-viscosity, quick-cure, dual-component epoxy resin.

### PROJECTED MEMBRANE

#### Impermax

2 kg/m<sup>2</sup>

Single-component polyurethane system for application in cold conditions. It has high chemical resistance and high mechanical properties.

### TOP COAT

#### Impermax + aggregates / Paintchlore 2k

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

Impermax + aggregates should only be applied if the pool is covered with tiles, in order to improve the adhesion between the polyurethane membrane and the tiles. Provision of aggregates: 1kg/m<sup>2</sup>, size (0.3-0.8mm). Where there is an exposed membrane, the Paintchlore 2k aliphatic finish shall be applied. See application method in the cold pool manual.

## CERTIFICATIONS

- CE-marking according to EN -1504-2 for concrete surface protection

A product must be chosen from the varied options according to the needs of the support surface and the working conditions. For more information, please refer to the Rayston product data sheets. The information contained in this data sheet — along with our advice, whether it be written, verbal or ascertained via testing — is provided in good faith based on our experience and results obtained from independent laboratory tests, however this does not constitute a guarantee for the user, who should consider it as a purely indicative reference with a strictly informational value only. All our system and product data sheets are updated on a regular basis. It is the customer's responsibility to obtain the latest version.