

Rayston Proof PU **COOL ROOF**

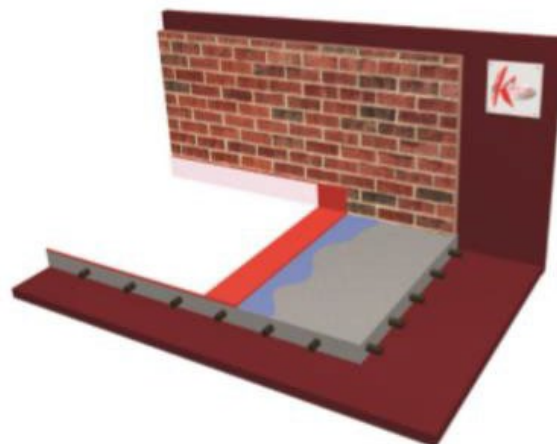
Waterproofing system for roofs.

DESCRIPTION: Cool roof system based on single-component solvent-based aromatic polyurethane resins, sealed with a final coat of white pigmented single-component solvent-based polyurethane.

Typical applications: The Rayston Proof PU COOL ROOF system is an ideal choice for roof waterproofing.

Advantages:

- Excellent adhesion to concrete, mortar and stone support surfaces.
- Excellent outdoors resistance.
- Low maintenance.
- Great elasticity
- Crack-bridging capability
- Aliphatic finish
- Availability of RAL chart (finish) Optional COOL ROOF SR1 105 finishes



Approximate system thickness: 1.8 mm

SYSTEM STEPS

BASE: Concrete, >28-day curing time, humidity <8%, no rising damp, strength <1.5N/mm², Temp. > 10°C, without any contamination, grease, dust or open pores.

PRIMING

Primer H

We recommend diluting the first coat with 10% water. Apply 0.4-0.5 kg/m² in two coats of 200-250 g/m² each.

0.5 Kg/m²

Optional: Epoxy Primer 100 (0.3-0.5 kg/m²), only if the humidity of the support surface is less than 4%.

BASE COAT

Impermax

Single-component, solvent-based polyurethane resin. Apply 2 kg/m² in two coats of 1 kg/m² each.

2 Kg/m²

SEALED COAT

“White” Pigmented Colodur.


Single-component, solvent-based aliphatic polyurethane resin. Creates a hard and flexible UV-stable coating. Apply in two coats of 250-300g/m²


0.5 kg/m²



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.

CERTIFICATIONS

IMPERMAX PRODUCT CERTIFICATION TABLES


	Type of Tests
APPLUS 	Impermax Aqua Contact with drinking water
	Impermax Fire Resistance
	Impermax Fire Resistance (45° Sloping Roofs)
	Impermax Root Drilling Resistance
	Impermax + Geomax Root Drill Resistance
	Impermax Abrasion Taber

TORROJA 	ETE-certified for 10 years
	ETE-certified for 25 years
	Impermax + Geotextil 200g
	Determination of impact resistance <i>. Determination of adhesion on metal support surfaces</i> <i>. Determination of static punching resistance with Geomax 80gr/m2.</i> <i>Resistance to thermal impact in contact with hot asphalt at 160°C</i>

BBA 	Impermax Roof Waterproofing System for use on flat roofs or sloped roofs with limited access 10 YEARS
BBA. 	Impermax Roof waterproofing system for use on flat or pitched roofs with limited access 25 YEARS
TECNALIA	Standard test for the calculation of the solar reflectance index of horizontal or inclined opaque surfaces. WHITE IMPERMAX

CERTIFICATIONS

COLODUR CERTIFICATION TABLE

Type of Tests	
<p>Colodur 60 2000 hours = 10 years</p> <ul style="list-style-type: none"> -Tensile strength and elongation at break -Artificially accelerated ageing -Watertightness -Water vapour permeability 	
	Taber Abrasion
	<p>COLODUR 60 ALT ATICO (resin+pigment)</p> <ul style="list-style-type: none"> - TABER abrasion resistance according to UNE 48250 - Scratch resistance according to UNE EN ISO 1518 - Resistance to liquids (motor oil and diesel fuel) according to UNE EN ISO 2812-3 and UNE EN ISO 2812-4 - Resistance to staining by contact with vulcanised rubber - Determination of gloss according to UNE EN ISO 2813 * Colourimetric determination (CIE LAB Coordinates) according to UNE 48073/2 and ISO 7724/2 - Determination of the whiteness index and yellowness index according to ASTM E313 <p>Accelerated Weathering Test</p> <p>Test method according to UNE EN ISO 11341:2005 "Paints and varnishes: Artificial ageing and artificial exposure / Filtered exposure of a xenon arc lamp".</p>
<p>APPLUS</p> 	<p>Determination of the slip resistance value of unpolished pavements (USRV). UNE-ENV 12633:2003</p>

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