MULTILAYER SYSTEM

Latest modification: 09/03/2021

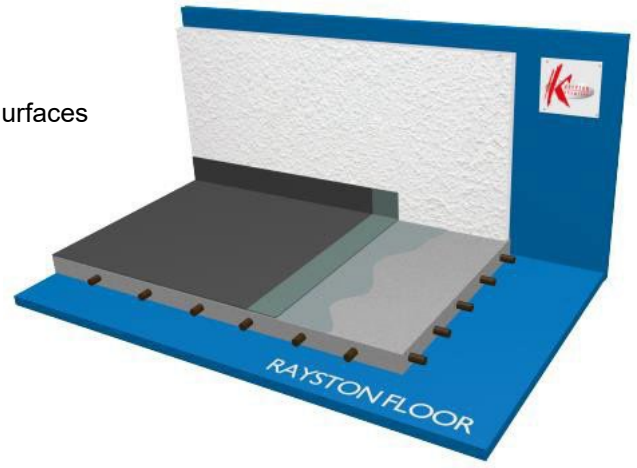
RAYSTON FLOOR PU 20

DESCRIPTION: Dual-component, 100% solids-based system based on polyurethane resins, pigmented, with a rough finish for protection of concrete surfaces and pavements.

TYPICAL APPLICATIONS: The Rayston Floor PU 20 system is an ideal choice for floor coverings in industrial premises, warehouses and workshops, which require a rough finish with a greater tolerance to movements and grooves than conventional epoxy systems.

ADVANTAGES:

- Excellent adhesion to concrete, mortar and stone support surfaces
- Waterproof and non-porous
- Wide range of colours
- Non-slip, category 3.
- Greater movement and impact absorption than conventional epoxy systems.



Approximate system thickness: 2.2–2.6 mm

SYSTEM STEPS

BASE: Concrete, >28-day curing time, moisture level <4%, no rising damp, strength <1.5N/mm2, Temp. > 10ºC, without any contamination, grease, dust or open pores.

PRIMING	**Epoxy Primer 100** Dual-component, low-viscosity, high-performance universal epoxy primer, applied in two coats of 0.25 kg/m2. Recommendation: Thin the first coat by 10% with Rayston thinner. (optional) Fresh dusting of aggregates (0.3–0.8mm)	0.5 Kg/m2
SURFACE COATING	**Pavifloor / aggregates** Dual-component, 100% solids-based polyurethane resin. Apply 1–2 kg/m2 mixed with 1–0.3 mm aggregates (Ratio 1/0.3).	1–2 Kg/m2
	Aggregate dusting If fresh, saturate with 0.3–0.8mm aggregate.	3 Kg/m2
SEALING OF THE SYSTEM	**Colodur Eco** Dual-component waterborne aliphatic polyurethane resin. Creates a hard and flexible UV-stable coating. Apply in two coats of 150–200g/m each.	0.4 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.

SISTEMAS RAYSTON – KRYPTON CHEMICAL SL
Polígono Ind. Les Tàpies, Calle Martí I Franquès 12, 43890 L'Hospitalet de l'Infant, Tarragona, Spain- rayston@kryptonchemical.com – www.kryptonchemical

PAVIFLOOR

	TYPE OF TEST
Applus	CE Marking (UNE-EN 13813:2003)
	Abrasion Taber
FCBA INSTITUT TECHNOLOGIQUE	French Laboratory PAVIFLOOR+COLODUR ECO+CHIPS Rapport de Classement de la Réaction au Feu — EN 13501-1 :2007
	Rapport d'Essais

COLODUR ECO

	TYPE OF TEST
Applus	Abrasion Taber
	Skid resistance
	- TABER abrasion resistance according to the UNE 48250 standard. - Scratch resistance according to the UNE EN ISO 1518 standard - Resistance to liquids (motor oil and diesel fuel) according to UNE EN ISO 2812-3 and UNE EN ISO 2812-4 - Resistance to contact staining Vulcanised rubber - Gloss determination according to standard UNE EN ISO 2813 -Colourimetric determination (CIELAB coordinates) according to UNE 40073 standard. -Determination of the Whiteness Index and Yellowness Index according to ASTM E 313 - Accelerated weathering test.
	EPOXI to compare the data with Collodur Eco
	SELF-LEVELLING FLOOR PASTES. UNE-EN 13813:2003 1- Adhesion resistance, UNE-EN 13892-8:2003 Determination of the slip / skid resistance value of unpolished floorings (USRV), UNE-ENV 12633:2003, Annex A 3- Impact resistance, UNE-EN ISO 6272-1:2012 4- BCA wear resistance, UNE-EN 13892-4:2003
	Indoor air VOC emission