

Two Component, high build pigmented epoxy protective coating for interior concrete surfaces.

DESCRIPTION

Two component epoxy floor coating system that provides hardwearing and abrasion-resistant system, suitable for interior concrete surfaces and can be used in many industrial applications.

*Applied to produce a textured or slip-resistant finish.

USES

- Protective topping coat for industrial flooring.
- Floor coating for areas where hygienic properties are required.
- Anti-Slipping for wet and highly slipping industrial flooring.

Fields of Use

- Food and beverage processing and production e.g. bakeries, dairies, and soft drinks manufacturers.
- Infrastructure facilities e.g. water and power stations.
- Exhibition halls and showrooms.
- Airports, aircraft hangers.
- Car production and maintenance areas.
- Garages, warehouses, and storage areas, with a medium frequency and volume of traffic.

ADVANTAGES

- Excellent wear and abrasion resistance
- Slip resistance finish available
- Easily applied
- Textured glossy finish
- Good general chemical resistance
- Limited maintenance
- Attractive and serviceable colors.
- Waterproof, dustproof and easy to clean.
- Good resistance to general chemicals, common acids and against organic solvents effects.

PRODUCT INFORMATION

BASE	EPOXY
DENSITY (A+B)	At 25°C 1.35 gm/cm3
COLOUR	Grey and other color on request
PACKING	Component A plastic pail 18 kg Component B plastic pack 2kg Total: 20 kg
SHELF-LIFE	12 Months from production date. If stored in proper storage condition in original unopened packaging.
STORAGE CONDITIONS	Store in shade, away from direct sunlight, in dry conditions.

TECHNICAL INFORMATION

Compressive Strength	ASTM C579 – 65 N/mm ASTM D695 – 87N/mm2
Flexural Strength	ASTM C580 - 32N/mm2 ASTM D790 – 56Mpa
Tensile Strength	ASTM C 307- 15 N/mm2 ASTM D 638 – 30 Mpa
Bond Strength	BS 1881 - 2.5 N/mm2- Concrete Failure
Shore D Hardness	ASTM D 2240 -75

CHEMICAL RESISTANCE

Rayston floor 1175 has been tested for resistance to the following chemicals through spillage, dripping and splashes, provided that regular cleaning/housekeeping must be applied whenever possible:

Lactic Acid 10%	Colour Change
HCL 18 %	Colour Change
Sodium Hydroxide 50%	No effect
Ammonia 10%	No effect
Skydrol	No effect
Sugar Solution	No effect
Butanol	No effect
Citric acid 10%	No effect
Acetic acid 10%	No effect

APPLICATION

Rayston floor 1175 has been tested for resistance to the following chemicals through spillage, dripping and splashes, provided that regular cleaning/housekeeping must be applied whenever possible:

Mixing Ratio	A:B = 9:1
Relative Air Humidity	75%
Substrate Moisture Content	< 4%
Pot life	30 minutes (25°C)
Curing Time	After 24H Can be walked After 3 Days Light mechanical loading permitted After 7 Days Fully cured
Consumption	~ 0.25—0.35 Kg/m2/coat at 125—145 µm (DFT)

ADDITIONAL INFORMATION

The information contained in this TECHNICAL SHEET, as well as our advice, both written and provided verbally or through tests, are given in good faith based on our experience and the results obtained through tests carried out by independent laboratories, and without serving as a guarantee for the applicator, who must take them as merely indicative references and with strictly informative value.

We recommend studying this information in depth before proceeding to the use and application of any of these products, although it is especially convenient that they carry out tests "in situ", to determine the suitability of a treatment in the place, with the purpose and in the specific conditions that occur in each case.

Our recommendations do not exempt from the obligation that the applicator has to know in depth, the correct method of application of these systems before proceeding to their use, as well as to carry out as many previous tests as are appropriate if the suitability of these for any work, installation or repair is doubted, taking into account the specific circumstances in which the product is going to be used.

The application, use and processing of our products are beyond our control and therefore under the sole responsibility of the installer. Consequently, the applicator will be solely and exclusively responsible for damages arising from the total or partial non-observance of the user and installation manual and, in general, from the inappropriate use or application of these products.

This data sheet overrides the previous ones.