Textured Epoxy Topcoat

RENGA TX

Solvent-free · Two-component · Orange-peel textured epoxy topcoat

PRODUCT DESCRIPTION

A solvent-free, two-component epoxy floor topcoat with an orange-peel finish. It offers high surface hardness, high water, chemical and mechanical resistance, and is easy to clean.

FEATURES

- High chemical resistance.
- Resistant to friction and abrasion.
- Easy to clean, hygienic and low-maintenance over a long period.
- Easy to apply.
- Solvent-free; no odour in enclosed spaces.

AREAS OF USE

Applied as a floor topcoat in factories, warehouses, shopping centres, workshops, aircraft hangars, schools, hospitals, the pharmaceutical and food industries, laboratories, car parks, treatment plants, and areas with heavy forklift traffic or corrosive chemicals.

TECHNICAL PROPERTIES

PROPERTY	VALUE	STANDARD
Number of components	2	
Gloss	Gloss	
Density (mixed, 20 °C)	1.55 ± 0.05 g/cm³	TS EN ISO 2811-1
Solids content (mixed)	100% by weight	
Hardness (7 days)	75–80 Shore D	
Mixing ratio (A/B)	19/5 (by weight)	
Pot life	30–35 minutes at 23 °C / 200 g	DIN 16945
Thinning	Not to be thinned	
Consumption	500–600 g/m²	

DRYING TIMES

PROPERTY	VALUE
Touch dry	6–8 hours
Recoat time	24 hours
Full cure	7 days

Values apply at 23 °C (TS 4317); low temperatures and high humidity extend these times.

APPLICATION

Concrete surfaces. Remove all dust and loose material. Prime the surface with the solvent-free epoxy impregnation primer RENGA PRIMER 1100 so that it is fully impregnated. Repair cracks and holes with epoxy mortar or filler.

Steel surfaces. For best performance, blast clean to Sa 2½; prime with a zinc dust or zinc phosphate epoxy primer at the required dry film thickness.

Application. Apply to the primed surface with a brush, roller or texture roller, creating the pattern, at a dry film thickness of approx. 200–300 µm.

CHEMICAL RESISTANCE

CHEMICAL	RESISTANCE
Sulphuric acid (H_2SO_4) 10%	3–2
Sulphuric acid (H_2SO_4) 20%	3–2
Hydrochloric acid (HCl) 10%	3–2
Hydrochloric acid (HCl) 20%	3–2
Nitric acid (HNO_3) 10%	3
Nitric acid (HNO_3) 20%	2
Sodium hydroxide (NaOH)	2
Xylene	2
Ethyl alcohol	3
Solvents	3

3: Highly resistant · 2: Resistant · 1: Not resistant

PACKAGING AND STORAGE

Packaging	24 kg kit · A: 19 kg + B: 5 kg
Storage	Between +15 °C and +25 °C, in a dry, enclosed warehouse, in its unopened original packaging. Follow the first-in, first-out rule.
Shelf life	12 months

HEALTH AND SAFETY

Ensure adequate ventilation during application; wear a mask and gloves. Avoid direct contact and do not breathe vapours; keep away from open flames. In case of eye contact, rinse with plenty of water and seek medical advice. For detailed information, refer to the product's safety data sheet (SDS).

The information in this technical data sheet is based on Renga Plus laboratory experience and field applications and applies to the product as of the date of publication. As substrate, weather and application conditions affect product performance, the information is a general guide; the suitability of the product for its intended purpose must be assessed by competent persons before each application. Renga Plus reserves the right to change its products without notice; a new edition of this data sheet supersedes all previous editions. Confirm the current edition at rengaplus.com or with our technical team. For handling, storage, first aid and personal protection information, refer to the product's safety data sheet (SDS).