



ARDEX R30TE

Water Based Epoxy Floor Coating

Complies FDA 21 CFR standards for safety food contact

High volume solid above 70%

Withstand heavy mechanical and chemical loading

Permeable structure, suitable for underground high moisture area.



Due to printing process colours can only be approximate, for specific colours please refer the Pantone Color Table of Pantone Matching System (PMS)

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ARDEX R30TE

Water Based Epoxy Floor Coating

DESCRIPTION:

ARDEX R30TE is a two component, water based, high performance type colored Epoxy floor coating with special high solid content and exceptional mechanical property designed for extensive traffic wear, industrial abrasion, and chemical protection. Complies US FDA standards, suitable for all pharmaceutical and food processing industry hygiene food contact flooring use.

FEATURES/BENEFITS:

- 100% water based, <1% VOCs.
- High volume solid above 70%.
- Complies FDA 21 CFR standards for safety food contact.
- Hardness >3H, may withstand heavy mechanical and chemical loading.
- High gloss, semi-self leveling finish.
- Excellent chemical resistance. May be incorporated with fiberglass for water tank lining anti-corrosion treatment
- Permeable structure, suitable for underground high moisture area.
- Aesthetically decorative with selected or custom colors
- Available also in anti-skid self-contained broadcast finish.

APPLICATION RANGE:

- Pharmaceutical, GMP food processing, and other hygiene industry floor coating.
- Protective lining coat for steel structure or non-rust ferrous substrate.
- Anti-abrasion, anti-dust, chemical resistant floor coating for industrial, commercial, or car park application.

SUBSTRATE CONDITION:

Concrete substrate must possess sufficient mechanical strength at 3000PSI and above, cured for 21 days, free from dust, grease, laitance, or loose paints. Well sand blasted and leveled. Repair cracks and voids with Epoxy and fiberglass if necessary, ensure humidity below 85%, ground moisture below 4%, ambient temperature within +10°C min to +30°C max.

APPLICATION PROCEDURE :

- Ensure proper ventilation, keep substrate dry at moisture level below 4%.
- Apply system primer EPW-18A/B first and allow full dry.
- Stir Part A well, and mix with Part B with a mechanical mixer at 300-400rpm for
- 1 minutes until uniform dispersion.
- Spray, brush or roller apply at specified coverage depending on substrate
- absorption rate(100~150um/per coat) Apply 1~2 coats until substrate is fully
- saturated.
- Adjust viscosity with water if necessary. Do not exceed 10% dilution ratio.
- Seek alternative treatment when substantial moisture is observed.

PACKAGING:

1. Two components: Pack A: 20kg/ Pack B: 10kg
2. Two components: Pack A: 4kg/ Pack B: 2kg

SHELF LIFE:

12 months when stored in the original unopened packaging, in a dry place at 30 °C and 50%RH. Do not store in direct sunlight. Replace lid tightly after use. Use remaining contents from part used containers within 3 months.

SAFETY CAUTION:

- Avoid all sources of ignition during application. Maintain proper ventilation during application.
- Applicators should be equipped with mask and gloves during application.
- Stop using the product immediately if skin allergies occur upon contact with the
- product, and seek medical attention immediately.
- Keep the product away from direct sunlight and out of children's reach.
- Addition of substances other than specified above is prohibited.

TECHNICAL DATA:

Appearance :	Part A: Colored liquid. Part B: Amber liquid
A/B Ratio :	20 kg A + 10 kg B 4 kg A + 2 kg B
Viscosity :	2000~4000cps Brookfield 25°C
Specific Gravity(A+B) :	1.2 ±0.1
Volume Solid :	>70%
Hardness :	>3H @ 130micron DFT
Abrasion Resistance :	<0.2g ASTM D4060 CS-17/1000turn/1000g
Gloss Level :	>95/60°
Resistance to Hot Oil Chemical Resistance (168 hr immersion) :	H2SO4 50% HCL 40% NH4OH 30% CH3COOH 30%
Salt Spray : Standard Coverage :	ASTM B117 1500hr 0.5 Kg/m2 /two coats
Over-Coat Time :	24 hours
Pot Life :	30 minutes 25 °C

NOTE: Most of the tests have been carried out in the Ardex laboratory under standard conditions (23±2°C, 50±5% R.H.)
Temporary

We assume warranty for the perfect quality of our products.
Our handling recommendations are based on trials and practical experience; however, they can only be regarded as general advise without a quality warranty, as we have no influence on work site conditions and the execution of the work
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