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RUDRA PAINT

**PLOT NO. 60/61, PANDOL INDUSTRIAL AREA, VED ROAD, KATARGAM,
SURAT, GUJARAT -395004**

TECHNICAL DATA SHEET RP-320

SOLVENTLESS EPOXY COATING (2K)

1. Product description

RUDRA PAINT Solventless Epoxy Coating (2k) is a two-component, 100% solids epoxy system designed to provide a seamless, glossy, durable and chemical-resistant finish.

Recommended applications

- Industrial factories and manufacturing units.
- Pharmaceutical and chemical industries.
- Warehouses and workshops.
- Automobile workshops and garages.
- Laboratories and engineering units.
- Food-processing areas (subject to applicable hygiene and compliance requirements).

2. Technical specifications

Property	Proposed specification
Product type	Two-component epoxy
Appearance	Glossy, seamless
Finish	High gloss
Colour	Grey, light grey, green, blue, RAL shades
Solid content	100%
Solvent content	Nil intentionally added
Mixed density	1.45–1.55 kg/L
Recommended DFT	1–2 mm
Application	Notched trowel / squeegee
Pot life at 25°C	25–35 minutes

Touch dry	6–8 hours
Foot traffic	24 hours
Heavy traffic	48–72 hours
Full chemical cure	7 days
Shelf life	Target 12 months
Theoretical consumption	1.45–1.55 kg/m²/mm

3. Mechanical performance targets

Test	Proposed target
Shore D hardness	75–85
Compressive strength	≥70 MPa
Tensile strength	≥20 MPa
Adhesion to concrete	≥1.5 MPa
Taber abrasion	≤80 mg / 1,000 cycles
Chemical resistance	Good to oils, alkalis and selected acids

All mechanical performance figures require testing on the final cured product using the applicable ASTM methods.

4. Surface preparation and application

1. Concrete must be properly cured, sound and free from dust, oil, grease and laitance.
2. Mechanically grind the to obtain a suitable profile.
3. Repair cracks and surface defects using epoxy repair mortar.
4. Apply a compatible epoxy primer.
5. Allow the primer to reach the recommended overcoating condition.
6. Mix Part A and Part B thoroughly according to the supplied kit ratio.
7. Apply using a notched trowel or suitable squeegee.
8. Use a spiked roller to release entrapped air where appropriate.
9. Protect from water, dust and traffic during curing.

Important: Do not apply on moisture surface. Follow the specified substrate moisture and dew-point limits.

5. Packaging and storage

- 20 lit(16+4).
- Part A: Epoxy resin base.
- Part B: Amine hardener.
- Store in original sealed containers.
- Keep away from direct sunlight and moisture.
- Recommended storage temperature: 5–35°C.

6. Advantages

- 100% solids formulation.
- No intentionally added solvent.
- Excellent adhesion to properly prepared concrete.
- Seamless and dust-free finish.
- Good abrasion and impact resistance.
- Easy to clean and maintain.
- Good resistance to industrial oils and chemicals.

7. Important limitations

- Not recommended for prolonged direct sunlight without a UV-resistant topcoat.
- Chemical resistance depends on the chemical, concentration, temperature and exposure duration.
- Do not claim food-grade, potable-water-safe or pharmaceutical compliance without the relevant testing and certification.

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Mfg by RUDRA ENTERPRISE

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THE FUTURE OF SURFACE PROTECTION

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