

SUNPOLYKOTE 293

Single Component Coating For Protecting & Curing Concrete

SUNPOLYKOTE 293 is a protective coating based on a hydrophobic polyester resin specially formulated to protect concrete from corrosion in aggressive environments.

USES

- Underground & foundation protection
- Adheres strongly to new, fresh, one day old concrete surface, thus, serves as a protective cum curing coating

ADVANTAGES

- Has excellent adhesion, flexibility and abrasion resistance
- Resists chlorides, sulphates, sewage & many chemicals, oils etc.
- Saves time as it can be applied on wet/damp/green concrete surfaces
- Environmentally friendly; solvent, asbestos & pitch free
- Stable to UV rays, hence, does not become weak or pale
- Can be used for curing walls, basements footings, floors etc.
- Odourless, no toxic solvents are released as the coating cures

PROPERTIES

Solids content	: 55 ± 2 %, by weight
Solids content	: 45 ± 2 %, by volume
Specific Gravity	: 1.30 ± 0.05 @ 25 °C
Water absorption (BS 1881 Pt. 122)	: 0.2 %
Water permeability (DIN 1048 Pt.5)	: Nil
Loss of water (ASTM C 156, C 309)	: 0.15 Kg/M ² in 72 hours.
Adhesion (ASTM D4541)	: > 1.6 MPa
Recoat Interval	: Minimum 6 hours
Fully cured	: 5 -7 days

CHEMICAL RESISTANCE

20 % Acetic Acid	5% Nitric Acid	Battery Acid	10 % Ammonia	10 % Ethyl Alcohol	40 % Ethylene Glycol	25% Copper Sulphate	25 % Zinc Sulphate	Salt/Tap/ Ground water	Oil
E	E	E	E	G	E	E	E	E	E

E – Excellent, G – Good

INSTRUCTIONS FOR USE

Surface Preparation

- Is important in order to achieve good adhesion of the coating
- Remove all laitance / projections
- Free the surface from loose material, grease and oil using a water jet
- Examine the surface closely for cracks or openings
- Fill all cracks, 1.5 mm or above, with approved elastomeric sealant, repair mortar etc.

Application

- Moisten the surface with water 24 hours prior to the application of SUNPOLYKOTE 293
- Open the container and stir the contents well
- Apply SUNPOLYKOTE 293 by brush, roller or squeegee at a rate of @ 2.5 M² / Ltr. / Coat
- Two coats recommended
- Allow it to cure for 6-7 hours
- For successive coat applications, ensure that they are applied at right angles to preceding coat
- Apply multiple coats, if additional thickness is required
- For any technical guidance contact our Concrete Materials Consultancy Division

PRECAUTIONS

- Do not apply the coating at room temperatures above 50°C or below 10°C
- Avoid application in wet conditions, like rain, running or standing water

CONFORMANCE

- Conforms to ASTM C309, Type 1 D & Type 2 (white pigmented) – Standard Specification for Liquid Membrane Forming Compounds for Curing Concrete.

THEORETICAL COVERAGE

- Coating: 2.5 M² / Ltr. / coat at 400 micron wet film thickness per coat
- Curing Compound: 5 M² / Ltr. / coat
- Actual coverage may vary depending on the concrete surface

PACKING

- 20 Litre HDPE/M.S. containers
- Finish colours: semi-gloss/matt, white, grey or any desired colour.

STORAGE & SHELF LIFE

- 12 months when stored in a cool and dry place, away from direct sun light in original sealed packing at room temperature / below 30°C

HAZARDS IDENTIFICATION

- Health hazards: No particular hazard known
- If the product spills on to skin and dries up, some irritation may occur

FIRST AID MEASURES

- Skin contact: Immediately wash thoroughly with soap and water
- Inhalation: Remove to open air. Seek medical attention
- Contact with eyes: Immediately wash under running water with eyelids open for at least 15 minutes. Seek medical attention
- Ingestion: Rinse mouth thoroughly and drink plenty of water. Seek medical attention

ACCIDENTAL RELEASE MEASURES

- Environment Care: Clean small spillages immediately with water
- Contain large spillages with suitable absorbent materials
- Dispose the waste water/absorbent material in accordance with local regulations

QUALITY ASSURANCE

- All products are manufactured under a Quality Management System for Design, Manufacturing and Selling of Construction Chemicals as per the standards of ISO 9001: 2008

DISCLAIMER

This information is accurate and reliable to the best of the knowledge. It is meant as a guideline only. Sunanda Speciality Coatings Pvt. Ltd. (SSCPL) cannot give any guarantees under any circumstances for the results, or assume any obligation or liability in connection with the use of this information. It is recommended that the product be tested to determine its suitability for specific applications. Since, SSCPL has no control over how others may use its products; it is recommended that the Specifier, Architect, Engineer, Contractor and Owner assume all the responsibilities in connection therewith.