

# Deckrete AS

**A solvent free self-smoothing electrically conductive epoxy resin coating**

## Description

Deckrete AS is a solvent free self-smoothing electrically conductive epoxy resin coating system applied at the thickness of 2-4mm. It's providing tough impermeable topping with an easy to clean smooth finish and light reflective surface.

## Uses

- Power Stations
- Clean Rooms
- Operation Theatres
- Explosion Proof Areas
- Transformer Sub-station
- Electronics Industry
- Computer Rooms

## Advantage

- An aesthetically attractive
- Anti-static
- Hygienic, easy to clean
- Smooth finish
- Hard wearing, durable
- Impermeable
- Chemical resistant
- Aesthetical appearance

## Standard Color



## Design Life

10 years, subject to proper maintenance.



## Physical Properties

Compressive Strength (ASTM C109)	60 N/m <sup>2</sup>
Flexural Strength (ASTM D790)	40 N/mm <sup>2</sup>
Tensile Strength ASTM D648	25 N/mm <sup>2</sup>
Adhesive Strength	>2.5 N/mm <sup>2</sup>
Resistant to Earth	1 x 10 <sup>9</sup> Ω
Temperature Resistant	Up to 80°C

## Chemical Resistance

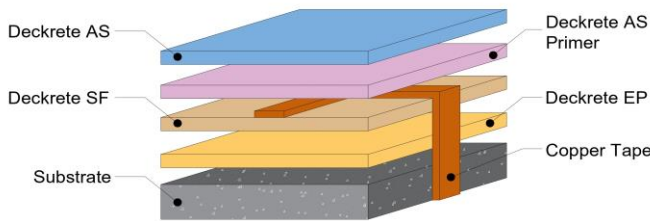
Examination for this was made with six common chemicals:-

- ✓ engine oil (used)
- ✓ brake fluid
- ✓ anti-freeze mixture
- ✓ saturated salt water
- ✓ battery acid
- ✓ petrol

## Curing

Light Traffic - 12 hours  
 Full Traffic - 24 hours  
 Full Cure - 5 days

## System Design



Flooring System	
Primer	Deckrete EP
Scratch Coat	Deckrete SF
Copper Tape	Conductive grid of 12mm wide copper tape
Antistatic Primer	Deckrete AS Primer
Finishing Coat	Deckrete AS

### Substrate Requirements

Concrete as screed substrate should be a minimum 25 N/mm<sup>2</sup>, free from dust, loose particles and contamination such as oil, fats, grease, part residues, chemical, algae and laitance. Substrate moisture levels should be no greater than 25% RH as BG8204 and free from rising damp and ground water pressure. A smooth substrate is required.

### Installation Services

The installation should be carried out by a licensed contractor, please contact our technical department for further information.

### Conductive Tape

A network of 12mm wide, self-adhesive conductive copper tape should be placed at appropriate location in consultation with Topkrete.

### Cleaning

Tools and equipment should be cleaned with to Topkrete solvent after used,

### Storage

Deckrete AS should store in a covered dry, cool condition.

### Self-Life

12 months from the date of manufacturer under proper storage condition.

### Precaution

Wear suitable protective gloves, clothing, eyes protection and respiratory protective equipment. If swallowed, seek medical attention immediately.

Do not induce vomiting.

### Technical Support

TOPKRETE offers a comprehensive range of high performance, quality products. TOPKRETE offers a technical support package to specifiers and contractors which include assistance with product selection and technical advice from staff with unrivalled experience in the industry.

### Additional Information

Topkrete manufacturers and offers a wide range of complementary products which include water stop, waterproofing products, grouts, anchors, specialized flooring products. In addition, a wide range of products formulated for repair and refurbishment of spelled concrete are available.

### Warranty

**Topkrete Sdn Bhd** warrants that the products manufactured by it shall be free from material defects and will conform to formulation standards and contain all components in their proper proportion. Should any of the products be proven defective, the liability to TOPKRETE SDN BHD shall be limited to replacement of the material proven to be defective, and TOPKRETE SDN BHD shall in no case be liable otherwise or for incidental or consequential damages. **TOPKRETE SDN BHD MAKES NO WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED.** User shall determine the suitability of the product for its intended use and assume all risks and liability in connection therewith.

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