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# SPECcoat CRE200

NON-TOXIC, MOISTURE TOLERANT, SOLVENT-FREE EPOXY RESIN COATING

## DESCRIPTION

**SpECcoat CRE200** is a two-pack, solvent-free, epoxy resin coating. It is supplied in pre-measured quantities ready for mixing on site. The product, on curing, produces a smooth, tough, chemical resistant coating.

**SpECcoat CRE200** may be used as a protective coating for concrete and mild steel. The coating, once cured, is resistant to common chemicals and abrasion. It is particularly suited for applications in water tanks, waste water treatment environments, dairies, food processing plant, abattoirs and grain silos.

## ADVANTAGES

- Non-toxic
- Solvent-free therefore may be used in confined areas
- High build
- No primer required on concrete or mild steel
- Easily cleaned surface
- Resistant to a wide range of chemicals
- Corrosion and abrasion resistant

## STANDARD

**SpECcoat CRE200** complies with BS 6920: Part 1 as a coating suitable for contact with potable water

## TECHNICAL DATA

### Typical values @ 20 °C

<b>Solids content</b>	100%
<b>Gel time (minutes)</b>	80 - 120
<b>Overcoating times (hrs)</b>	8 - 20
<b>Full cure</b>	7 days
<b>Typical system thickness</b>	400µm

## CHEMICAL RESISTANCE CHART

### ACIDS

10% Sulphuric acid	Excellent
Hydrochloric acid	Excellent
10% Phosphoric Acid	Excellent
10% Hydrofluoric acid	Excellent
Citric acid	Excellent
1% Lactic acid	Excellent
Conc. Sulphuric acid	Good
Conc. Hydrochloric acid	Good
Conc. Phosphoric acid	Good

### ALKALIS

Sea water	Excellent
25% Sodium Hydroxide	Excellent
Sodium Carbonate	Excellent
Calcium Carbonate	Excellent
Dilute Sodium Hydroxide	Good
Conc. Sodium Hydroxide	Good
Ammonia salts	Good
Dilute Ammonia Hydroxide	Good
Conc. Ammonia Hydroxide	Good

### SALT SOLUTIONS

Potassium/Aluminium Sulphate	Excellent
Ferrous Sulphate	Excellent
Calcium Chloride	Excellent
Sodium Phosphate	Excellent
Copper Phosphate	Excellent
Sodium Sulphate	Excellent
Sodium Chloride	Good
Sodium Acetate	Good

### Solvents

Petrol	Excellent
Kerosene	Excellent

### FATS & OILS

Animal	Excellent
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### **STORAGE AND SHELF LIFE**

**SpECcoat CRE200** has a shelf life of 12 months when stored in original containers in a cool dry environment.

### **HEALTH AND SAFETY**

**SpECcoat CRE200** & **SpECTop Cleaning Fluid** should not come into contact with eyes or skin or ingested. When using **SpECTop Cleaning Fluid** ensure adequate ventilation and avoid inhalation of vapour. Wear adequate protective clothing including gloves and eye protection.

If contact with skin occurs, rinse with water then clean using soap and water.

If eye contact occurs, rinse with copious amounts of water and seek medical assistance.

If swallowed, DO NOT induce vomiting. Seek medical attention immediately.

### **FLAMMABILITY**

**SpECcoat CRE200** is non-flammable.

### **FLASH POINT**

**SpECcoat CRE200** >150 °C

**SpECTop Cleaning Fluid** >40 °C

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If it is proven that the product does not perform as described in our TDS, SpEC's liability extends solely to the free replacement of product, once the claim has been accepted after due investigation by SpEC. SpEC will not entertain any claims involving any form of consequential costs or damages such as shipping costs, custom duties, damages to third parties, damages to structures, penalties from delay of a project or any other form of consequential damage.

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