



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

| | |
|---------------------------------|----------|
| Solids content | 100% |
| Gel time (minutes) | 80 - 120 |
| Overcoating times (hrs) | 8 - 20 |
| Full cure | 7 days |
| Typical system thickness | 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 |
|--------|-----------|

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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Whilst the information and/or specifications given are, to the best of our knowledge, true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us, our representatives, agents or distributors as the conditions of use and labour involved are beyond our control.

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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