



## PROCOR DATA SHEET

### ZINC RICH COATING – SPS C233

#### 1. DESCRIPTION

High build single pack organic zinc rich coating based on modified p.v.b alkyd resins.

#### 2. PRINCIPAL CHARACTERISTICS

- Zinc rich recoatable coating in the PROCOR steel protection range.
- Specialized holding primer for maintenance systems or build coat for internal and external steel structures.
- Fast drying.
- Short over coating interval.
- Suitable for rural, polluted and coastal atmospheric conditions.
- Excellent corrosion prevention properties.

#### 3. PACKAGING, COLOURS AND GLOSS

- 1kg, 2kg, 5kg and 10kg.
- Grey.
- Matt finish.

#### 4. BASIC DATA AT 23°

- Drying time:  $\pm 20$ min touch dry.  
 $\pm 4$ hrs – 6hrs full cure.
- Recoating time:  $\pm$  min 4hrs for 100 $\mu$ m dft, max unlimited.
- Pot life: N/a, exposed product will form skin after  $\pm 15$ min, stir well and keep container closed.
- Induction period: N/a
- Mass relative density:  $\pm 2.2 - 2.3$  g/cm<sup>3</sup>.
- Solids by volume:  $\pm 80\%$ .
- Viscosity: Thick paste.
- Recommended dft: 100 $\mu$ m per coat. (2 coats recommended).
- Theoretical spreading rate: 3 – 5m<sup>2</sup>/lt for 100 $\mu$ m.
- Shelf life:  $\pm 2$  months in cool and dry conditions.
- Flash point: 38°C.

#### 5. RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES



**PROTECTION WHERE YOU NEED IT!**

Limitation of liability applies. Refer to annexure for full disclosure.  
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- Steel; blast cleaned to at least Sa2½ and free from loose rust, scale, shop primers and any other contamination.
- Blasting profile: 50µm - 100µm.
- The substrate must be dry before and during application of SPS C233 coating.
- Substrate temperature should be between 10°C and 30°C and at least 3°C above dew point during application and curing.
- Ambient temperature between 5°C and 40°C with a maximum relative humidity of 85%.

## 6. INSTRUCTIONS FOR USE

- Stir well before use.
- Product temperature of the stirred base should be above 15°C to achieve application viscosity.
- 300 Thinners can be introduced to lower the viscosity if necessary. Do not exceed 10% to volume. Add thinners only after stirring the product.
- Too much solvent will reduce sag resistance and opacity.
- Always ensure adequate ventilation.
- AIRLESS SPRAY:
  - Recommended thinner: 300 Thinner.
  - Volume of thinner: Thinning not recommended.
  - Nozzle orifice: ± 0.46 – 0.53mm.
  - Nozzle pressure: 13 – 16MPa (± 130 to 160 bar).
- AIR SPRAY:
  - Recommended thinner: 300 Thinner.
  - Volume of thinner: 0 – 10%, depending on required thickness and application conditions.
  - Nozzle orifice: ± 1.8 – 2.2mm.
  - Nozzle pressure: 0.3 – 0.6MPa (± 130 to 160 bar).
- BRUSH / ROLLER:
  - Recommended thinner: 300 Thinner.
  - Volume thinner: 0 – 5%, depending on required thickness and application.
  - Cleaning solvent: 300 Thinner.

## 7. SAFETY PRECAUTIONS

This is a solvent based paint, avoid inhalation of spray mist vapour as well as contact between the wet paint and exposed skin or eyes.



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