PRODUCT DATA SHEET

INDUSTRIAL RANGE

STRONTIUM CHROMATE PRIMER

1. DESCRIPTION

A high quality two component polyurethane primer, based on hydroxy acrylic resin, and zinc chromate pigment

2. PRINCIPAL CHARACTERISTICS

- Recoat able polyurethane primer in the INDUSTRIAL RANGE.
- Gives excellent resistance to water penetration on the film by chromate ions
- Excellent resistance to a wide range of organic acids, alcohols, solvents, fats and edible oils.
- Excellent UV resistance.
- Excellent colour and gloss retention.
- Tough and abrasion resistant.
- Will cure at low ambient temperatures.
- Good application properties and can be over coated with two component and conventional paints.

3. PACKAGING, COLOURS AND GLOSS

- 1t and 5lt.
- Yellow
- Medium gloss.

4. BASIC DATA AT 23°

- Drying time: ± 30min surface dry.
  ± 5hrs hard dry.
- Recoating time: ± min 4hrs for 100µm dft, max unlimited.
- Pot life: ± 4hrs after blending with hardener.
- Induction period: ± 15min – 20min.
- Mass relative density: ± 1.35 – 1.45 g/cm³.
- Solids by volume: ± 60%.

- Viscosity: ± 72 – 75Ku
- Recommended dft: 100µm per coat. (2 coats recommended.)
- Theoretical spreading rate: 6m²/lt for 100µm.
- Shelf life: at least 12 months in cool and dry conditions.
- Flash point: base 25°C, hardener 28°C.

5. RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- The substrate must be free from any contamination and sufficiently abraded if necessary.
- The substrate must be dry before and during application of STROTIUM CHROMATE PRIMER
- 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%.
- Premature exposure to condensation or rain may cause colour and gloss changes.

6. INSTRUCTIONS FOR USE

- Stir well before use.
- Mixing ratio by volume is 2 bases to 1 hardener.
- Product temperature of the mixed base should be above 10°C to achieve application viscosity.
- 2K thinners can be introduced to lower the viscosity if necessary. Do not exceed 10% to volume.
- Too much solvent will reduce sag resistance and opacity.
- Always ensure adequate ventilation.

- AIRLESS SPRAY:
- Recommended thinner: 2K thinner.
- Volume of thinner: Thinning not recommended.
- Nozzle orifice: ± 0.38 – 0.48mm.
- Nozzle pressure: 12 – 16MPa (± 120 to 160 bar).

- AIR SPRAY:
- Recommended thinner: 2K thinner.
- Volume of thinner: 0 – 10%, depending on required thickness and application conditions.
- Nozzle orifice: ± 1.5 – 2mm.
- Nozzle pressure: 0.3 – 0.4MPa (± 3 to 4 bar).

- BRUSH / ROLLER: (not recommended)
- Recommended thinner: 2K thinner.
- Volume thinner: 0 – 5%, depending on required thickness and application conditions.

- Cleaning solvent: 2K thinner.

7. SAFETY PRECAUTIONS

This is a toxic solvent, isocyanate binder group, lead based paint, avoid inhalation of spray mist vapor as well as contact between the wet paint and exposed skin or eyes, Full PPE (Personal protective equipment) must be used when handling the product.