

Strontium Chromate Primer



DESCRIPTION

Two component solvented air drying, epoxy pigmented primer

INTENDED USE

An anti-corrosive, epoxy primer that is suitable for over-coating by powder coatings. The strontium chromate pigment provides corrosion inhibiting properties and has excellent resistance to heat & exposure. This primer is made to the BS 2 X33 1998 specification guidelines and is an excellent base for polyurethane acrylic topcoats, camouflage topcoats for armaments etc.

PRODUCT FEATURES

- Anti-Corrosive pigment inhibits under-film corrosion
- Excellent filling properties
- Excellent mechanical properties
- Long over-coating time (up to 3 weeks at 25°C)
- Used as a primer for galvanizing and general steelwork
- Excellent adhesion to suitably chemically cleaned surfaces
- Accepts powder coating topcoats and can be cured with the powder baking schedule
- Resistant to powder baking temperatures
- Excellent primer for 2K epoxy and polyurethane finishing coats

LIMITATIONS

- Do not use etch primers containing acids under this product as residual acid may retard the curing and may cause subsequent wrinkling of topcoats
- Avoid painting in inclement weather or if the temperature is below 5°C
- Not suitable for use on aluminium surfaces

PACKAGING

- 2lt and 10lt Kits

STANDARD COLOUR AVAILABILITY

Pale Yellow



PRODUCT INFORMATION

- **Number of Components:** 2
- **Mixing Volume Ratio:** 1 to 1
- **Density:** 1.2 kg/litre
- **Volume Solids:** 22%
- **Film Thickness:** Wet - 90-135µm
Dry - 30-50µm
- **Spreading Rate:** 7m² /lt @ 30µm DFT
- **Temperature Resistance:** Dry 80°C
- **Pot Life:** 4 Hours @ 25°C

SURFACE PREPARATION

- Degrease surfaces with Speccoats Aqueous Degreaser followed by a high pressure water rinse
- Grind and fettle weld spatter, protrusions and sharp edges to a minimum radius of 2mm
- All surfaces must be dry and clean

Steel

- All surface shall be abrasive blast cleaned to grade SA 2 ½ of standard ISO 8501-1 with a blast profile of 50-60µm. The coating must be applied before any flash rusting occurs or the surface shall be re-blast cleaned
- A 7-9 stage chemical cleaning procedure using an approved proprietary process to achieve a uniform, highly adherent zinc phosphate crystal deposit on the surface of the steel

Galvanizing

- New galvanizing – degrease using Speccoats Galvanized Iron Cleaner

Over Coating

- The primer can be over coated with any epoxy primer, intermediate or topcoat polyurethane system, as well as single pack products such as vinyl's, silicone acrylics or water-based topcoats
- If the primer over coated after the three week curing period, it must be thoroughly degreased and decontaminated using Speccoats Hydrosolve and then lightly abraded to a uniform matt finish using abrasive paper to remove chalking. If the primer is abraded through on the sharp edges, these areas must be re-primed prior to over coating







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APPLICATION

Mixing – Two Components

- Stir the base component well with a flat-bottomed paddle or mechanical mixer until product is uniform. Continue stirring and add the entire contents of the activator container. Continue stirring until the mixture is homogeneous. Stir again immediately prior to use.

Application – Equipment & Methods

 Brushes	Apply uniform, even coating with high quality brushes from Speccoats
 Rollers	Apply uniform, even coating with short pile rollers from Speccoats
 Airless Spray	Pump Ratio - 30 to 1 Min Nozzle Orifice - 11 to 15 Thou Tip Pressure - 145 Bar Min
 Conventional Spray	<ul style="list-style-type: none"> Air Assisted Airless Pressure Pot - Pressure Feed Gun Gravity Feed Gun Various Nozzle sets are available to suit the guns

Thinning

- Thin up to 10% with **Speccoats SA 65 Thinners**

Cleaner

- Cleaning is done with **Speccoats SA 65 Thinners**

APPLICATION ENVIRONMENT

Level	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	5°C*	5°C	No lower limit
Maximum	40°C	45°C	85%

*or 3° above the dew point

DRYING TIME

Touch dry	Over-coating interval		Dry to handle	Full Cure
	Minimum	Maximum		
30 minutes at 25°C for 50µm at 65% RH	4 hours at 25°C at 65% RH	3 Weeks	4 hours at 25°C at 65% RH	7 days

STORAGE AND HANDLING

Storage - Store at temperatures between 5°C and 40°C, away from direct sunlight, open flames or sparks

Flash Point - 0°C

Shelf Life - Minimum 1 year when packed in original containers

HEALTH AND SAFETY

- Flammable – keep away from sources of ignition – No smoking!!!
- Adequate ventilation should be provided during use
- Avoid contact with the skin by using gloves, barrier creams and face mask
- If the product comes into contact with the skin, wash immediately with lukewarm water and soap, if the eyes are affected flush with water of diluted boric acid solution and seek medical attention immediately
- Refer to Material Safety Data Sheet (MSDS)

DISCLAIMER

Whilst we endeavour to ensure that all advice we give about the product is correct, the information given in this data sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so entirely at his own risk. As conditions of use, method of application and suitability of the substrate prior to painting are beyond our control, no guarantee is implied by the recommendations contained herein. We therefore do not accept any liability whatsoever or howsoever arising from the performance of this product or for any loss or damage arising out of the use of this product. The information contained in this sheet is liable to modification from time to time in the light of experience and ongoing product development programmes. It is the user's responsibility to ensure that this sheet is current prior to using the product. **ISSUE DATE 12/10/2010**