

PEACOPOXY ST-AL COATING

Product Code: 6540

Date: Feb 2012 (Page 1 of 2)

PRODUCT INTRODUCTION

- Two component aluminium pigmented high build polyamine cured modified epoxy primer/coating
- Used as primer for those surface can not be well prepared by sand blasting or extensive derusting.
- Compatible with various aged coatings
- Good recoatability with epoxy-, Polyurethane- and most chlorinated rubber-, alkyd- and acrylic paints
- Cure even at temperature down to -5°C
- Excellent corrosion resistance
- Resistance to splash of a wide range of chemicals

PHYSICAL PROPERTIES

Colours and gloss	aluminium - semigloss
Mass density	approx. 1.4g/cm ³
Solids content (by volume)	approx. 88%
VOC	225 g/litre
Recommended dry film thickness	60-125 µm
Theoretical spreading rate	14.7 m ² /l for 60µm 11.7 m ² /l for 75 µm 8.8 m ² /l for 100µm 7.0 m ² /l for 125 µm
Touch dry	3 hours
Overcoating interval	min. 10 hours max. 5 months
Fully cured	4 days
Shelf life(cool and dry place)	at least 12 months
Flash point	base 25°C, hardener 32°C

APPLICATION CONDITIONS AND TEMPERATURES

For above water area

- Power tool cleaned to ISO-St2 for good corrosion protection
- Existing sound epoxy coating systems and most sound old alkyd coating system; sufficiently roughened, dry and cleaned

For underwater area

- Steel; blast cleaned to ISO-Sa2½
- Steel with approved shop primer; sweep blasted to SPSS-Ss or power tool cleaned to SPSS-Pt3
- Substrate temperature should be above 5°C and at least 3°C above dew point

APPLICATION INSTRUCTION

mixing ratio

base to hardener 85:15 *by weight*

base to hardener 77:23 *by volume*

- The temperature of the mixture of base and hardener should be above 10°C, otherwise extra solvent may be required to obtain application viscosity
- Too much solvent results in lower sag resistance and slower cure
- Thinner should be added after mixing the components

PEACOPOXY ST-AL COATING

Product Code: 6540

Date: Feb 2012 (Page 2 of 2)

AIR SPRAY			AIRLESS SPRAY		
Recommended thinner	Thinner 066 (flash point 26 ⁰ C)	Thinner 066 (flash point 26 ⁰ C)			
Volume of thinner	<10%	<10%			
Nozzle orifice	1.8-2.0 mm	0.48-0.53 mm			
Nozzle pressure	0.3-0.4MPa (approx. 3-4 at; 43-57 P.S. I)	15MPa (approx. 150 AT; 1700-2100 P.S.I.)			
BRUSH AND ROLLER					
Recommended thinner	Thinner 066(flash point 26 ⁰ C)				
Volume of thinner	<5%				
CLEANING SOLVENT					
Thinner 068(flash point 30 ⁰ C)					
OVERCOATING TABLE					
For two pack epoxy or polyurethane paint					
substrate temperature (°C)	5	10	20	30	40
minimum interval (hours)	40	34	10	6	5
maximum interval (months)	5	5	4	3	3
Chlorinated rubber, urethane and alkyd paints					
minimum interval (hours)	15	10	4	3	2
maximum interval (days)	20	20	8	7	7

CURING TABLE			
substrate temperature	touch dry	dry to handle	full cure
5 ⁰ C	14 hours	40 hours	10 days
10 ⁰ C	8 hours	32 hours	7 days
15 ⁰ C	5 hours	18 hours	6 days
20 ⁰ C	3 hours	10 hours	4 days
30 ⁰ C	3 hours	8 hours	3 days
40 ⁰ C	2 hours	6 hours	2 days
POT LIFE (AT APPLICATION VISCOSITY)			
15 ⁰ C	4 hours		
20 ⁰ C	3 hours		
30 ⁰ C	2 hours		
40 ⁰ C	1 hours		

The information in this data sheet is the best of our knowledge correct at the date of printing, but are subject to change without prior notice. User must contact Chung Shun Chemical (HK) Co Ltd to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Chung Shun Chemical quality control. We assume no responsibility for coverage, performance or injuries resulting from the use. Liability, if any is limited to replacement of products.



www.cschk.com
Tel : (852) 2959 3998
Fax: (852) 3521 0438
Email: cschk@cschk.com