

## PROTEGALAC OCF90

### DESCRIPTION

A quick air-drying modified alkyd, full gloss, One Coat Finish.

### PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Single coat system with excellent anticorrosive properties, suitable for transport containers, structural steelwork and a wide range of industrial steel fabrications.
- ◆ Contains Zinc Phosphate anticorrosive pigment.
- ◆ Air-dry or force-dry.
- ◆ Quick air-drying.
- ◆ High gloss.
- ◆ Resistant to splashes of diesel and hydraulic fluid (see Product Notes).
- ◆ Good high build properties.
- ◆ Suitable for application by conventional and airless spray.

### TECHNICAL DATA

**Volume solids** 55 ± 5% (ISO 3233), depending on colour.

**Weight solids** 68 ± 5%, depending on colour.

**Specific gravity** 1.00 – 1.30, depending on colour.

**Product code** 2005 series & 2006 series (L) – batch manufacture  
5005 series & 5006 series (L) – tinted shades.

### Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
50 µm	77 µm	13 m <sup>2</sup> /l
100 µm	192 µm	5.2 m <sup>2</sup> /l

Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated.

### Drying time

DFT 70 µm		+ 10 °C	+ 23 °C	+ 35 °C
Dust free		2½ h	1h	45 mins
Hard dry		24 h	16 h	12 h
Overcoating*	min	24 h	10 h	10 h
	max	Indefinite if clean and sound		

Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation.

**Finish** Full gloss

**Colours** Available in a wide range of colours to customers' requirements (see Product Notes).

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### APPLICATION DETAILS

<b>Surface preparation</b>	<p><b>Steel:</b> For best results, degrease steel where necessary to SSPC-SP1 solvent cleaning to remove weld flux and general contamination prior to blasting. All sharp edges should be ground and weld spatter removed. Blast clean to Swedish Standard SIS 05 5900 Sa 2½ or British Standard 7079 equivalent. Maximum profile 75 microns.</p> <p>Should blast cleaning be impractical, degrease to SSPC-SP1 solvent cleaning and prepare to Swedish Standard St2, avoiding polishing of the surface when using mechanical tools.</p> <p>May also be applied to iron phosphate pre-treated steel surfaces.</p> <p>All surfaces should be clean and dry and free from oil, grease, salts, dirt and general contamination prior to coating.</p>
<b>Application conditions</b>	<p>Only apply in conditions of good ventilation which should be maintained during drying. Do not apply when rain, mist, sleet or snow are imminent. During application and drying time of the paint coating, the surface should be dry, the Relative Humidity should not exceed 85% and the steel temperature should remain at least 3°C above the dew point.</p>
<b>Mixing</b>	<p>Must be mixed thoroughly before use.</p>
<b>Application</b>	<p>Airless spray application – ready for use as supplied. Typical tip sizes employed are 11 – 13 thou.</p> <p>Suitable for spraying by conventional air spray when thinned to 25 – 35 seconds BSB4 @ 25°C.</p> <p>Brush and roller – suitable for lower dry film thicknesses.</p>
<b>Thinner</b>	<p>1006 Thinner</p>
<b>Cleaning of equipment</b>	<p>Remove remaining paint from equipment, flush thoroughly with 1006 Thinner until solvent appears uncontaminated.</p>
<b>Flash Point</b>	<p>22 – 32°C.</p>
<b>STORAGE</b>	<p>Store in dry, cool conditions and protect from frost.</p>
<b>VOC</b>	<p>Volatile Organic Compound content: 370 ± 20 gm/lit, varies considerably with colour.</p>
<b>HEALTH AND SAFETY</b>	<p>Containers are provided with safety labels, which should be observed.</p> <p>Further information about hazardous influences and protection are detailed in individual health and safety data sheets.</p> <p>A health and safety data sheet is available on request from Protega Coatings Ltd.</p>
<b>PRODUCT NOTES</b>	<p>*Overcoating – means with itself. For other topcoats please consult Protega Coatings for advice.</p> <p>Some shades may contain lead colourants and these are labelled as ProtegaLac OCF90(L).</p> <p><b>Splash Resistance:</b> when fully cured, resists splashes of diesel and hydraulic fluid. Splashes of petrol and brake fluid may cause some film softening and loss of gloss. Splashes should be immediately removed to prevent longer term film damage.</p> <p><b>Coverage:</b> This product is tinted using the advanced TEMASPEED tinting system. As with all tinted products, some bright shades (in particular bright yellows, oranges and reds), even using lead-based colourants, may not give full opacity in a single coat system. Where customers have high volume requirements in bright 'house' colours, factory batch manufacture with full opacity can be arranged subject to minimum batch sizes – please consult Protega Coatings. For bright shades tinted from TCL bases, a trial for opacity acceptance is recommended. Should a primer be required, ProtegaPrime MPH700, tinted to the appropriate 'undercoat' shade, is recommended.</p>