

PROTEGALAC MD90

DESCRIPTION

Quick air-drying modified alkyd gloss enamel.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Suitable for agricultural and earth moving equipment.
- ◆ Quick air-drying.
- ◆ Good gloss.
- ◆ Good durability.
- ◆ Suitable for spray application by conventional and airless spray.

TECHNICAL DATA

Volume solids 38 ± 6%. (ISO 3233) depending on colour.

Weight solids 52 ± 6% depending on colour.

Viscosity 75" – 85" BSB4 @ 25°C depending on colour.

Specific gravity 1.00 – 1.30 depending on colour.

Product code 2140 line

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
25 µm	65 µm	15.2 m ² /l
35 µm	92 µm	10.8 m ² /l

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

Drying time

	+ 23 °C
DFT 30 µm	
Flash off	10 – 15 mins
Air dry	Touch 1 - 1 ½ h, hard - overnight
Force dry	30 mins @60°C

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

Finish

Full gloss.

Colours

Colours to customer's specifications.

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APPLICATION DETAILS

Surface preparation	<p>Preliminary cleaning: remove oil grease with a suitable detergent. Remove salt and other contaminants by fresh water cleaning and allow to dry (ISO 12944-4). Pre-treatment improves adhesion and reduces corrosion under the paint film. The type of pre-treatment depends on the requirements for corrosion protection e.g.</p> <ol style="list-style-type: none">1. Zinc phosphate with Cr-VI passivation.2. Iron phosphate with demineralised water rinsing (insufficient rinsing can lead to the osmotic formation of bubbles).3. Alkaline or neutral degreasing.4. Clean steel.5. Suitably primed with a ProtegaPrime QD primer. <p>Surfaces should be clean, dry and free from all grease, oil and general contamination.</p>
Primer	<p>This is a finish coat which can be applied over most ProtegaPrime primers.</p>
Application conditions	<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>
Mixing	<p>Must be mixed thoroughly before use. Use a mechanical agitator for mixing.</p>
Application	<p>Airless spray application - ready for use. Typical tip sizes employed are 11 – 13 thou. Suitable for spraying by conventional spray when thinned to 25 – 35 seconds BSB4@25°C</p>
Thinner	<p>1006 Thinner.</p>
Cleaning of equipment	<p>Remove remaining paint from equipment, flush thoroughly with 1006 Thinner until solvent appears uncontaminated.</p>
FLASH POINT	<p>22 – 32°C.</p>
STORAGE	<p>Store in dry, cool conditions and protect from frost.</p>
VOC	<p>Volatile Organic Compound content: 454 ± 20 gm/ltr, varies considerably with colour.</p>
HEALTH AND SAFETY	<p>Containers are provided with safety labels, which should be observed. Further information about hazardous influences and protection are detailed in individual health and safety data sheets. A health and safety data sheet is available on request from Protega Coatings Ltd.</p>
PRODUCT NOTES	<p>Do not use for immersion. Overcoat with conventional paints or self.</p>