

## PROTEGALAC ACV90 & ACV90(L)

(formerly Temalac ACV & Temalac ACV90)

### DESCRIPTION

Fast drying modified alkyd gloss finish.

### PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Exceptionally fast-setting product, dust free in 15 minutes.
- ◆ Ideal as a top coat in a two coat system, for use in fabricators works or at a site where time is of the essence.
- ◆ Good gloss.
- ◆ Used as a finish coat over a range of ProtegaPrime primers such as MPH700 and MPH800 series.
- ◆ Suitable undercoat colours can be selected from the ProtegaPrime range.
- ◆ Suitable as a topseal over ProtegaFire S167 and S168 thin film intumescent coatings.

### TECHNICAL DATA

**Volume solids** 41 ± 2% (ISO 3233) depending on colour.

**Weight solids** 57 ± 2% depending on colour.

**Specific gravity** 1.10 – 1.30 depending on colour.

**Product code** 2082 series (ACV90) and 2240 series (ACV90 (L))

#### Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
30 µm	75 µm	13.7 m <sup>2</sup> /l
50 µm	125 µm	8.2 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 40 µm		+ 10 °C	+ 23 °C	+ 35 °C
Dust free		30 min	15 min	10 min
Hard dry		3 h	1½ h	1 h
Overcoating	Min*	3 h or 6 days	2 h or 6 days	1 h or 4 days
	Max	Indefinite		

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

**Finish** Full gloss

**Colours** Full BS4800 and RAL shades, BS381C, NCS & TVT colours.

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### APPLICATION DETAILS

**Surface preparation** This product is a finish coat which should be applied over a suitable Protega primer. Surfaces should be clean, dry and free from oil and general contamination.

**Application conditions** 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.

**Mixing** Must be mixed thoroughly before use. Use a mechanical agitator for mixing.

#### Application

Method	Airless Spray	Automatic Spray	Conventional Spray	Brush	Roller
Output Fluid Pressure	2500 - 3500 p.s.i.	No	Yes	Touch-up only	No
Tip Size	13 – 18 thou				

Dependent on temperature, material may require thinning up to 10% with 1006 Thinner. Suitable for spraying by conventional air spray when thinned to 25 – 35 seconds BSB4 @ 25°C.

Brush application should be restricted to touching up small areas only due to the fast drying characteristics of this material.

Avoid exceeding the maximum stated dry film thickness.

**Thinner** 1006 Thinner

**Cleaning of equipment** Remove remaining paint from equipment, flush thoroughly with 1006 Thinner until solvent appears uncontaminated.

**FLASH POINT** 22 – 32°C

**STORAGE** Store in dry, cool conditions and protect from frost.

**VOC** Volatile Organic Compound content: 538 ± 20 gm/lit, varies with colour.

**HEALTH AND SAFETY** 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.

**PRODUCT NOTES** **\*Overcoating:** product goes through an intermediate period where wrinkling by topcoats may occur. Overcoat at lowest time shown, or leave to highest time shown to allow adequate through-drying.  
Do not use for immersion.  
Overcoat with conventional paints only.  
Do not use in alkaline conditions.  
Do not apply over white spirit based primers or undercoats (where Thinner ref. is 1050). Some shades may contain lead colourant and these are labelled ProtegaLac ACV90 (L). For best opacity, particularly with bright tinted colours such as bright yellows, oranges and reds, this product should be applied over a primer or intermediate coat tinted to the recommended undercoat shade – please consult Protega Coatings for details.