

OPUS VT90

DESCRIPTION

High gloss, modified alkyd finish.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Ideal as a top coat applied over OPUS ZP anticorrosive primer to provide a decorative and anticorrosive system for steel.
- ◆ Good gloss.
- ◆ Compatible with a range of primers including ProtegaPrime MPH700 and MPH800 series.

TECHNICAL DATA

Volume solids 34 ± 2% (ISO 3233) varies with colour.

Weight solids 53 ± 2% varies with colour.

Specific gravity 1.05 – 1.30 varies with colour.

Product code 2014 series & 2007 series (L).

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
30 µm	88 µm	11.3 m ² /l
50 µm	147 µm	6.8 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

DFT 40 µm		+ 10 °C	+ 23 °C	+ 35 °C
Dust free		2 h	1 h	45 min
Hard dry		12 h	7 h	4 h
Overcoating	Min*	6 h or 36 h	4 h or 16 h	2 h or 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 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 OPUS ZP or another 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, thinning may be required	Yes	Yes
Tip Size	13 – 18 thou				

Dependent on temperature, material may require thinning up to 10% with 1050 or 1006 Thinner.

Suitable for spraying by conventional air spray when thinned to 25 – 35 seconds BSB4 @ 25°C.

Avoid exceeding the maximum stated dry film thickness.

Thinner 1050 Thinner (slower) or 1006 Thinner (faster)

Cleaning of equipment Remove remaining paint from equipment, flush thoroughly with 1050 or 1006 Thinner until solvent appears uncontaminated.

FLASH POINT 32 – 55°C.

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

VOC Volatile Organic Compound content: 521 ± 20 gm/lt, 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 by lowest time shown, or leave to highest time shown to allow adequate through-drying. These overcoating times refer to overcoating with itself. For xylene based topcoats, minimum overcoating time is 3 days at 23°C.

Do not use for immersion. Do not use in alkaline conditions.
Some shades may contain lead colourant and these are labelled OPUS VT90(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.