

PROTEGATHANE PDV

DESCRIPTION

A two component, polyurethane gloss finish.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Very high gloss.
- ◆ Excellent colour and gloss retention.
- ◆ Suitable as a finish coat over appropriate primers for easy removal of graffiti.
- ◆ For anti-graffiti properties on bridgework, finish in Highways Agency Item 168 (ProtegaThane PLV) or Item 169 (ProtegaThane PLS(HS)) for colour stability and UV resistance and overcoat with ProtegaThane PDV Clear.
- ◆ Approved to Network Rail RT98 – Item 5.6.3.
- ◆ Outstanding resistance to severe weathering.
- ◆ High abrasion and impact resistance.
- ◆ Excellent solvent and chemical resistance.
- ◆ Low temperature curing – down to -5°C.

TECHNICAL DATA

Volume solids 50 ± 2% mixed. (ISO 3233)

Weight solids 62 ± 2% mixed.

Specific gravity 1.23 – 1.30 mixed.

Product code

Paint	2 parts by volume	2894 series
Activator	1 parts by volume	4054 001 (for clear) and 4054 002 (for colours)
Composite		4831 series

Pot life 3 - 4 hours @ 23°C.

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
40 µm	80 µm	12.5 m ² /l
50 µm	100 µm	10.0 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 50 µm		+5°C	+10°C	+23°C	+35°C
Dust Free		6 h	4 h	2 h	1 h
Hard Dry		18 h	12 h	7 h	3 h
Overcoating	min	36 h	24 h	16 h	10 h
	max	*5 d	*3 d	*2 d	*1 d

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

*Refer to Product Notes over.

Finish Gloss

Colours Clear, plus selected range of BS4800, RAL and other colours.

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APPLICATION DETAILS

Surface preparation This product is a finish coat which should be applied over relevant Protega primers and undercoats. Consult Protega for advice.
Surfaces should be clean dry and free from all grease, oil and general contaminants.

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 Mix only in the proportions stated, mixing each component individually then together using a mechanical agitator. Ensure complete homogeneity before use.

Application

Method	Airless Spray	Automatic Spray	Conventional Spray	Brush	Roller
Output Fluid Pressure	2200 – 3000 p.s.i.	No	Yes any suitable equipment	Yes	Yes
Tip Size	13 – 18 thou				

Application by brush/roller will result in a poor cosmetic finish compared to spraying due to fast drying properties.
Avoid exceeding the maximum stated dry film thickness.

Thinner 1737 Thinner.

Cleaning of equipment Remove remaining paint from equipment, flush thoroughly with 1737 Thinner until solvent appears uncontaminated.

FLASH POINT 21 - 32°C.

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

VOC Volatile Organic Compound content: 486 ± 20 gm/ltr, 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 ***Maximum Overcoating:** abrade if these times are exceeded to provide a key.
High humidities, and condensation during application and curing, will impair gloss
Caution: contains isocyanates. Ensure adequate ventilation and wear air fed hood.