

PROTEGASEAL EA80

DESCRIPTION

A two component, recoatable, isocyanate-free gloss finish.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Tough, durable finish with good abrasion resistance and weathering properties.
- ◆ Excellent gloss and gloss retention.
- ◆ Indefinitely overcoatable.
- ◆ High build with excellent adhesion.
- ◆ Good resistance to mild chemicals.
- ◆ Suitable for maintenance and new construction.
- ◆ EPA Compliant as a finish.
- ◆ Approved to Network Rail RT98 Item 7.3.2.
- ◆ Suitable for urban, marine or industrial environments.

TECHNICAL DATA

Volume solids

65 ± 2% mixed (ISO 3233).

Weight solids

81 ± 2% mixed

Specific gravity

1.52 – 1.56 mixed, depending on colour.

Product code

Base	7 parts by volume	2985 series
Activator	1 part by volume	4056 041
Composite		4832 series

Pot life

2 hours @23°C.

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
50 µm	77 µm	13.0 m ² /l
125 µm	192 µm	5.2 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 75 µm		+10°C	+23 °C	+35°C
Dust free		8 h	4 h	2 h
Hard dry		12 h	6 h	3 h
Overcoating	Min	24 h	12 h	6 h
	Max	Indefinite (see Product Notes)		

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

Finish

Full gloss

Colours

Full range of BS4800, RAL, BS381C and others available on request.

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APPLICATION DETAILS

Surface preparation This is a finish coat and should be applied over appropriate Protega primers and undercoats. Please consult Protega Coatings 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	2000 – 2500 psi	No	Yes – any suitable equipment	Yes	Yes
Tip Size	13 – 18 thou				

Preferred method of application is by spray. Brush and roller are acceptable. Conventional spray may give better aesthetic results than airless spray in some circumstances. Thinning is recommended for conventional spray application. For lower range dft's, up to 5% of 1737 Thinner may be added while still maintaining EPA Compliance. Suitability of thinning will depend on application conditions, type of equipment and substrate configuration. Avoid exceeding recommended dft range.

Thinner 1737 Thinner.

Cleaning of equipment Remove remaining paint from equipment, flush thoroughly with 1737 or 1031 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: 302 ± 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 Do not apply or cure below 10°C. Indefinite overcoating means with itself or selected Protega products, please consult Protega Coatings for advice. This product requires 7 days to fully cure at 23°C. Water spotting may occur if not adequately cured. 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.