

PROTEGASHIELD ES50

DESCRIPTION

A two component aluminium epoxy sealer/primer for aluminium and zinc metal spray.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Can be overcoated with chlorinated rubber, epoxy pitch, vinyl or polyurethane.
- ◆ Approved to Highways Agency Item 159.
- ◆ Approved to Network Rail RT98 Item 7.1.1.
- ◆ EPA compliant as a sealer coat.

TECHNICAL DATA

Volume solids 32 ± 2% mixed (ISO 3233)

Weight solids 42 ± 2% mixed.

Specific gravity 0.98– 1.02 mixed.

Product code

Paint	4 parts by volume	3346 002
Activator	1 parts by volume	4050 064
Composite		4861 002

Pot life 8 hours @ 23°C.

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
15 µm	47 µm	21.3 m ² /l
30 µm	94 µm	10.7 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 25 µm		+10°C	+23°C	+35°C
Dust Free		2 h	1 h	30 min
Hard Dry		8 h	4 h	2 h
Overcoating	min	24 h	8 h	6 h
	max	Indefinite		

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

Finish Matt

Colours Aluminium.

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APPLICATION DETAILS

Surface preparation Apply to metal spray within 4 hours of metal spray application.

Surfaces should be clean and dry and free from oil, grease, salts, dirt 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 Mix only in the proportions stated, mixing each component individually then together using a mechanical agitator. Ensure complete homogeneity before using.

Application

Method	Airless Spray	Automatic Spray	Conventional Spray	Brush	Roller
Output Fluid Pressure	2000 – 3000 p.s.i.	No	Yes	Yes	No
Tip Size	15 – 21 thou				

Refer to Protega Epoxy Application/Curing notes.

For best results, spray product onto metal spray surface and work into its capillaries using a brush. Apply as supplied on to clean fresh metal spray, using adequate material to seal metal spray, but avoid any excessive thicknesses. Ensure there is no pooling or general accumulation of sealer.

Always brush thoroughly into surface ensuring complete and even coverage. Grey/red metallic appearance when applied, changing to aluminium.

Thinner 1031 Thinner.

Cleaning of equipment Remove remaining paint from equipment, flush thoroughly with 950 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: 557 ± 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 Film thickness figures are nominal; apply until metal spray is sealed. Do not apply or cure below 10°C.