

PROTEGABLAST ZR992

DESCRIPTION

A fast drying, two component epoxy zinc rich primer, suitable for automatic spray application.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ 90% zinc dust in the dried film, conforms to BS5493 and BS4652 Type 3.
- ◆ A weldable preconstruction primer which can form part of the total protection scheme when applied as a works coat.
- ◆ Lloyds welding certificated.
- ◆ Provides long term weathering and abrasion resistant properties with excellent resistance to undercutting from damaged areas.
- ◆ Suitable for structural steel and plating.
- ◆ May be overcoated with a wide range of topcoats.
- ◆ Suitable for manual or automatic spray methods – fast drying to avoid pick-up on rollers.
- ◆ EPA Compliant as a blast primer.

TECHNICAL DATA

Volume solids 26 ± 2% mixed (ISO 3233)

Weight solids 63 ± 2% mixed.

Specific gravity 1.64 – 1.70 mixed.

Product code

Paint	4 parts by volume	3336 005
Hardener	1 part by volume	4050 072
Composite		4854 005

Pot life 8 hours @ 23°C.

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
15 µm	58 µm	17.3 m ² /l
25 µm	96 µm	10.4 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 20 µm		+ 10 °C	+ 23 °C	+ 35 °C
Dust free		5 mins	2 mins	1 min
Hard dry		20 mins	10 mins	6 mins
Overcoating	min	16 h	8 h	4 h
	max	Dependent on conditions - see Product Notes		

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

Finish Matt

Colours Grey/green.

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APPLICATION DETAILS

Surface preparation **Steel** – degrease where necessary to SSPC-SP1 solvent cleaning to remove weld flux and general contamination prior to blasting.
All sharp edges should be ground and weld spatter removed.
Blast clean to Swedish Standard SIS 05 5900 Sa 2½ or British Standard 7079 equivalent.
Maximum profile 75 microns.
This product is not suitable for hand prepared surfaces.
Oil, grease, salts and dirt should be removed by appropriate means (ISO 12944-4).

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.

Application

Method	Airless Spray	Automatic Spray	Conventional Spray	Brush	Roller
Output Fluid Pressure	2200 – 2800 p.s.i.	Yes	Any suitable equipment with agitated pot	Touch up only	No
Tip Size	15 – 18 thou				

Agitate during application.
A typical problem encountered with zinc based paints is the scouring of the metallic zinc in the lines, which may remove stubborn paint residues from the system causing blockages at the tip. Avoid exceeding the maximum dry film thickness.
Take care to avoid dry spray due to the fast dry properties.
Product dries too quickly to accurately measure the wet film thickness.

Thinner 903 Thinner.

Cleaning of equipment Remove remaining paint from equipment, flush thoroughly with 950 Thinner until solvent appears uncontaminated.

FLASH POINT Below 22°C

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

VOC Volatile Organic Compound content: 629 ± 20 gm/lt

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 Low flash material. Observe low flash regulations. Ventilate to maintain solvent vapour levels below minimum explosive limit during application and drying period.
Do not use uncoated in acid/alkali environments.
Typically epoxies will not cure below 5°C and for optimum performance a minimum of 10°C should be reached.
This product will form zinc salts, the degree of which is subject to environmental conditions. Zinc salts should be removed prior to overcoating by sweep blasting or fresh water washing using stiff brushes and allowing to dry.
Overcoat using non saponifiable finish coats - consult Protega Coatings for advice.