

PROTEGASHIELD EV710

DESCRIPTION

A two component epoxy zinc phosphate blast primer.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Approved to Highways Agency - Item 110.
- ◆ Approved to Network Rail RT98 - Item 7.1.2.
- ◆ Excellent resistance to undercutting from damage and good hold up on edges.
- ◆ Suitable for overcoating with most generic groups.
- ◆ A hard tough film possessing good chemical resistance.
- ◆ Ideal for protection of structural steelwork during fabrication.
- ◆ Conforms to BS5493 in content and performance.
- ◆ EPA compliant when applied as a blast primer.

TECHNICAL DATA

Volume solids 46 ± 2% mixed (ISO 3233).

Weight solids 66 ± 2% mixed.

Specific gravity 1.40 – 1.44 mixed.

Product code

Base	4 parts by volume	3337 710
Activator	1 parts by volume	4050 200
Composite		4855 002

Pot life 8 hours @ 23°C.

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
25 µm	55 µm	18.4 m ² /l
50 µm	109 µm	9.2 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 25 µm		+10°C	+23°C	+35°C
Dust Free		1 h	30 min	15 min
Hard Dry		4 h	2 h	1 h
Overcoating	min	8 h	4 h	3 h
	max	*8 d	*4 d	*2 d

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

Finish Matt

Colours Buff.

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APPLICATION DETAILS

Surface preparation

Steel

Degrease steel 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 by dry or wet blasting techniques.

Maximum profile 75 microns.

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	1500 – 2500 p.s.i.	No	Any suitable equipment. Thinning may be necessary	Yes	Yes
Tip Size	13 – 19 thou				

Refer to Protega Epoxy Application/Curing notes.

Avoid exceeding the maximum stated dry film thickness.

Thinner

1031 Thinner.

Cleaning of equipment

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

FLASH POINT

Below 21°C

STORAGE

Store in dry, cool conditions and protect from frost.

VOC

Volatile Organic Compound content: 462 ± 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:** if maximum overcoating times are exceeded, surface should be abraded to provide a key before overcoating.

Low flash material – Ensure that ventilation is maintained to keep solvent vapour levels below minimum explosive limits.

Do not apply or cure below 7°C. Drying below 10°C will be protracted.

Product will chalk, the degree to which is subjected to atmospheric conditions.