

Anupam Enterprises

Protective Coatings Division

Blastprime E郑 200

Epoxy Zinc Phosphate Blast Primer

Product Description

Blastprime E郑 200 is a fast drying, abrasion resistant blast primer suitable for application in the workshop to fabricated steel units. It is designed for thin-film application to provide short-term (typically 6 months) protection to structural steel prior to or after fabrication. It may be cut and welded through.

Features and Benefits

- ❖ Can be applied via airless spray and conventional spray. Only small areas can be brushed.
- ❖ Protects steel surfaces until further coats are applied.
- ❖ Ideal for use where steel work is likely to be exposed for appreciable periods before being overcoated and is most suitable for on-site application.
- ❖ Provides much higher degree of protection than conventional primers in severe corrosive conditions.
- ❖ Has no deteriorious effect on normal cutting and welding operations.
- ❖ Does not emit toxic and noxious fumes during cure.
- ❖ Has excellent physical properties and the cured coating is compatible with most coatings.
- ❖ Contains anticorrosive pigments and has excellent rust-inhibitive properties.
- ❖ Durable and economical.

Surface Preparation:

Steel - The surface should be blast cleaned to **SSPC-SP 10-63T** or **NACE No. 2** i.e. loose rust and scales, dirt, grease, oil, paint, wax, weak oxide films and other contaminants should be removed. Blast cleaning to **SSPC-SP 5-63** or **NACE No. 1** is recommended where heavy corrosive conditions exist. That means a surface with a grey metallic colour, slightly roughened to form a suitable anchor pattern for coatings. This surface is free of all oil, grease, dirt, mill scale, rust, corrosion products, oxides, paint and other foreign matter. Hand or mechanical cleaning is not much effective.

Priming:

It is recommended that priming should be carried out within 4 hours if inside a building, but if exposed to weather, the steel must be coated immediately after blasting. Should it become necessary to leave cleaned surfaces unpainted overnight, such surfaces must be re-cleaned before painting. Paint only on dry surfaces. Do not paint exterior surfaces in damp weather or when the temperature is less than 10° C. The dry film thickness (DFT) should not be less than the DFT specified. Should the required DFT is not achieved in one coat; additional coats shall be applied until the minimum requirements are met. When the additional coats are applied, the re-coat time must strictly be followed. It is recommended that one coat of **Blastprime E郑 200** at 25 microns minimum DFT should be applied on shot blasted steel whereas one coat at 50 microns DFT is required for grit blasted steel for best protection. All subsequent welds, burnt and cut edges, must be cleaned and priming coat be renewed where steel is primed prior to fabrication. More coats can be applied as per requirements.

Overcoating:

In common with epoxy coatings generally, overcoating should be carried out within 24-48 hours or left for 7 days when the coating has cured completely. However, **Blastprime E郑 200** can be overcoated with conventional paints after 12 hours and with two-component systems after 24 hours. Care must be taken while overcoating the primed surface. Oil, grease, dirt etc. should be removed by degreasing the surface with degreasing solvents like tri-chloroethylene or xylene and subsequently washed off with fresh water. The surface should be allowed to dry before painting.

TECHNICAL DATA

Name/Description	Blastprime E郑 200
Type	Two pack cold cured
Composition	Epoxy / Zinc Phosphate
Colour	Red Oxide
Finish	Smooth and Matt
Volume Solids (mixed)	27 ± 3%
Mixing Ratio	Base : Hardener 3 : 1 by volume
Pot Life @ 30 C	6 to 8 hours
Dry film thickness per coat	25 microns
Coverage-(theoretical-no loss)	10.8 m ² /litre
Serviceability @ 30°C	
Dry to touch	30 minutes
Hard Dry	16 hours
Recoat	24 hours
Full Cure	7 days
Induction (Sweat-in-time) @ 30°C	30 minutes
Dry heat resistance	120°C
Relative Humidity	90%
Application Temperature	
-minimum	10°C
-maximum	35°C
Solvent/Thinner	Anusol - ETP Thinner
Flash Point	23°C
Packing	4 & 20 litres
Shelf Life	6 months
Precaution	Flammable. Keep away from heat and open flame. Maintain good ventilation and avoid breathing vapours.

Notes

- ❖ Brushes and spray equipments should be cleaned with **Anusol - ETP Epoxy Thinner**.
- ❖ The contents should be stirred thoroughly prior to use.
- ❖ After mixing Base and Hardener in recommended proportions, allow for 30 minutes induction period or *sweat-in-time (maturing)* before application.
- ❖ When overcoating the weathered or aged **Blastprime EZP 200**, ensure that the coating is fully free from all contamination such as oil, dust, grease, stains etc.
- ❖ This coating should always be thinned with **Anusol - ETP Epoxy Thinner**. The use of alternative thinners can severely inhibit the curing mechanism of the coating.

Disclaimer:

Information provided herein is based upon tests believed to be reliable. It does not guarantee the results to be obtained. Nor does it make any express and implied warranty or merchantability, or fitness for a particular purpose concerning the effects or results of such case. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended uses. The application, surface preparation and use of the products are beyond our control and, therefore, entirely your own responsibility.

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