Technical datasheet

Rainbow Epoxy 2K Metal Primer

Product description:

It is two pack an excellent corrosion resistant primer for application on Aluminium, Galvanized Iron, Cast Iron, Stainless Steel and Abrasive blasted Mild Steel substrates.
A specially designed Epoxy Zinc Phosphate Primer to provide, superior protection when applied over properly prepared substrates. The product with suitable topcoats is an ideal coating system for aggressive environment.

Performance benefits:

- Excellent resistance to corrosion.
- Very good resistance to acid, alkali, solvent & salt water.
- Universal applicability with Airless Spray, Air-assisted & Brush.
- Very good flexibility & abrasion resistance.
- Rainbow, Imperia, or Imperia Gold can be applied as topcoat over Rainbow Epoxy 2K Metal Primer.
- No added lead, mercury, and chromium.

Recommended use

Applicable on Aluminium, Galvanized Iron, Cast Iron, Stainless Steel and Abrasive blasted Mild Steel substrates.

Technical Data (Typical Indicative values)

Viscosity @30^{0}C, Krebs Viscometer	70+/-20 Ku
Specific Gravity, gm/Lt	1.36 ± 0.05
Mixing Ratio	Base: Catalyst: 4:1 (by volume)
Recommended DFT	40 - 60 µ per coat
Surface dry(At Recommended DFT)	< 60 Min
Pot life(at 30°C)	6-8 hours
Over coating Interval (at 30°C & 55% Relative humidity)	Minimum: Within 1 hr (wet & wet); 3-4 Hours with sanding

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Shelf Life in months for the originally packed tightly closed condition maintained at 25^0 C	12

Recommended Application

Surface preparation

Substrate	Procedure
Mild Steel	Remove grease, oil and other contaminants preferably by using Solvent Cleaning as per SSPC SP1. Abrasive Blast clean to a minimum SSPC SP10. For severe corrosive conditions, blast clean to SSPC SP5 with a surface profile not exceeding 55 microns. Special care must taken on weld areas to remove flux and spatter welds should be ground back to avoid pockets. The cleaned surface should be clean and dry and coated before it is contaminated.
GI, Aluminium	Remove oil, grease and other contaminants preferably using solvent cleaning to SSPC SP1. Dry Sanding with P220- P300 and repeat with cleaning solvent. May also be etch primed or blasted for better performance.
Stainless Steel	Abrasive blast with non-metallic abrasives to SSPC SP 10. Can be applied using solvent cleaning to SSPC SP1. Dry Sanding with P220- P300 and repeat with cleaning solvent

Application of Rainbow Epoxy 2K Metal Primer

Application Method	Mixing Ratio(By volume)	Type of Thinner	% of Thinner	Orifice/Tip size	Pump ratio	Application Pressure
Brush	4:1	No Thinner added	NA	NA	NA	NA
Conventional spray	4:1	844	25-30	1-1.2 mm	NA	4.2-4.9 kg/cm2
Airless spray	4:1	844	10-15	0.38-0.48 mm	30:1	110-160 kg/cm2

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Pack Size

Berger Rainbow Epoxy 2K Metal Primer - (13P991): 1 L.

Berger Rainbow Epoxy 2K Metal Primer - (13P991): 4 L.

Storage & Handling

1.	Storage	Store in cool and dry place. Keep away from source of ignition. Keep container tightly closed, Keep out of children reach and away from food.
2.	Disposal	Do not pour left over product down the drain or any water course. Dispose in accordance with local regulation.
3.	Flash Point	Above 25^0C (Abel Closed Cup)

SAFETY INFORMATION

1.	Fire hazard Class	Flammable
2.	Safety Precaution	Kindly refer to the MSDS for Berger Rainbow Epoxy 2K Metal Primer Ensure good ventilation during storage, application & drying of product. Wear protective clothes & gloves. Smoking is prohibited while painting. A suitable dust nose pad should be worn when rubbing the surface. Avoid inhaling the vapour. Wear eye protector during application. In case of contact with eyes, rinse immediately with plenty of water.
DISCLAMER		The information contained within this data sheet is based on information believed to be reliable at the time of its preparation. The company will not be liable for loss or damage howsoever caused including liability for negligence, which may be suffered by the user and the data contained herein. No guarantee of results is implied since conditions of use are beyond our control. Products undergo continuous improvement. The technical data in this catalogue are therefore subjected to change.

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