



Korepox Zinc Primer EZ175(C) is a two-component, polyamide cured epoxy resin based zinc primer with high content of zinc. It provides long term protection of steel in severely corrosive environment and has outstanding resistance to mechanical wear and tear. Thin coats (15 μ m) of this primer will not affect speed and quality of steel in cutting and welding works. Approved as an Excellent Anti-corrosive Primer for the container by Konstandt Laboratories, Inc.

Recommended use	As a long-life anti-corrosive primer on not permanently submerged steel, and shopprimer for temporary protection of steel. Not recommended for permanent immersion without suitable topcoat.
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Physical Properties

Finish and Color	Flat. Metallic gray (1184)
Specific gravity	Approx. 2.27 for Mixture of Base and Curing agent.
Solids by volume	Approx. 45% (Determined by ISO 3233)
Spreading rate (Theoretical)	11.25m ² /L in 40 μ m dry film thickness on a smooth surface
Flash point	25°C/77°F (Closed cup)

Application details

Surface preparation	Remove any oil, grease, dirt and any other contaminants from the surface before painting by proper method such as solvent cleaning and fresh water washing, etc. * Steel : Blast cleaning to Sa 2.5 or Power tool cleaning to St3, etc.
Method of application	Spray (Airless or Air), Roller or Brush application. For airless spray application ; Nozzle orifice : 432 μ m (0.017")" Output pressure : 17.2 MPa Fan : 30°~ 90° Thinning (by volume) : Max. 30% based on paint for a long-life primer. Max. 100% based on paint for a shopprimer. During the application, continuous agitation is required to prevent the sedimentation of zinc powders. (Airless spray data are indicative and subject to adjustment.) Brush : Use only for small areas or touch-up coating. Clean the tools thoroughly before and after use with Korepox Tool Cleaner 009 immediately.
Mixing	Base (EZ175(C) PTA) : Curing Agent (EZ175(C) PTB) = 4 : 1 (by volume) Mix thoroughly together prior to application in the proportions with power agitator as delivered.
Thinning	Thinner No. 053 Do not dilute the components separately, but as a mixture. Thinner No. 053 for spring and autumn. Thinner No. 053S for summer. Thinner No. 053W for winter. For airless spray application, it is designed to use separately according to seasons as follows.
Application	The surface should be completely cleaned and dried. Do not apply when relative humidity is above 85 %.

conditions	The surface temperature should be at least 2.7°C (5°F) above dew point to prevent condensation. In confined areas, ventilate with clean air during application to assist solvent evaporation.					
Film thickness	Shopprimer : 10 ~ 15 μm dry. Long-life primer : 20 ~ 40 μm dry. Depending on the purpose and the area of use, different film thickness may be applied.					
Drying time	Substrate temperature	0°C	10°C	20°C	30°C	40°C
	Set to touch	1H	30min	20 min	10 min	5 min
	Dry hard	16H	8H	4H	2H	1H
Subsequent Coat	Korepox, Korabor paint or according to specification. Before overcoating, all oils, greases, dirt and other contaminants must be removed from the surface, and scrubbed with stiff brush to remove the white-rust, weld spatter, burns and other damages, and blasted to Sa 21/2 and spot-painted.					
Pot life	8 h at 20 °C /68 °F					
Recoating interval	Although the primer is not fully cured, the steel plates may be stacked and handling without damage of films. * As a shopprimer : No maximum for adhesion, but should be recoated before deterioration. * As a permanent primer : According to specification.					
Heat resistance temperature	Continuous : 82°C /180°F Non-Continuous : 110°C /230°F					

Storage and package

Shelf life	12 months
Storage	As this product contains the high amounts of zinc powders, zinc sedimentation is expected when stored to a long time. In this case, turning-over of container prior to use is recommendable to prevent the heavy sedimentation of zinc powders. When use this long stored paint, dissolve sediments of zinc powder with mechanical agitator to make paint homogeneous states. However, recommend to use paint on first come-first served basis.
Packing Unit	20L (EZ175(C) PTA : 16L, EZ175(C) PTB : 4L)

Remarks

Note	Do not store at temperature below 5 °C/41 °F or above 40 °C/104 °F. Protect skin and eyes from direct contact with liquid paint, and avoid prolonged breathing of solvent vapors. Use with adequate ventilation. Respiratory protection is recommended when applying this product in confined spaces or stagnant air.
1'st issue	2011-07-01
Revision	2016-11-01

Disclaimer : The information in this data sheet is believed to the best of our knowledge based on laboratory test and practical experience. However, there are many factors affecting the performance of product and the product quality itself, so we are not able to guarantee without the confirmation of the purpose of using the product from us in writing. We reserve the right to change the data without notice and you should check that this data sheet is current prior to using the product.

