

11500 KANEPOX ZINC RICH 80

PRODUCT DESCRIPTION

11500 KANEPOX ZINC RICH 80 is an epoxy based, two component micronized zinc dust containing primer with outstanding resistance to severe weathering. It provides cathodic protection if film is damaged. Zinc content in the dry film conforms to SSPC-Paint 20, Level 2 and ISO 12944 standards.

RECOMMENDED USE

It is used as an anti-corrosive primer on steel surfaces for;

- For Transformers sector;
 - Power and Distribution Transformers
 - Radiators
 - Transformers Metal Parts
- Bridges and dams
- Structural steels
- Tanks and pipes exterior
- Refinery and industrial facilities
- Other exposures subjected to high humidity, salty or fresh water.

It can be applied as a first coat primer in paint systems where Im1 to Im4 immersion categories and C2 to C5, also CX corrosion categories are required according to ISO 12944-5 and ISO 12944-9 Standards.

PRODUCT CHARACTERISTICS

Finish: Matt	Density (g/ml) 2,60±0,10
Colour: Grey	Spreading Rate (m ² /kg) 4,92 (50 microns DFT)
Thinner: Kanat Thinner 0620 (Low Temp.) Kanat Thinner 0625 (High Temp.)	Flash Point 31°C
Mixing Ratio (by weight) 10 Parts A Comp. + 1 Part B Comp	VOC (Volatile Organic Content) 325 g/l
Mixed Product;	Application Methods Air/Airless Spray
Volume Solids (%) 64±2	Pot Life (20°C) 6 hours

DRYING SCHEDULE(*)

(50 microns/2 mils film thickness)

	Dry to Touch	Hard Dry	Dry to Over Coat Minimum
5°C	4-5 hours	9 hours	7 hours
15°C	3 hours	6 hours	4 hours
25°C	2 hours	4 hours	3 hours
35°C	1 hours	2 hours	1,5 hours

Fully Cured: 7 days (20°C)

Oven Drying: 80°C/40-50 minutes

Drying values are valid for defined dry film thickness and below 80% relative humidity.

(*) Drying time depends on temperature, humidity and film thickness

PACKAGING

One kit of **11500 KANEPOX ZINC RICH 80** is 27,5 kgs.

One pail of **11500 KANEPOX ZINC RICH 80** component A is 25 kgs.

One can of **KANEPOX HARDENER 0320** component B is 2,5 kgs.

SHELF LIFE

Part A—1 year, Part B—1 year when the material is stored in a cool and dry place in unopened original containers.

HEALTH/SAFETY PRECAUTIONS

Refer to the MSDS sheet prepared according to EU directives before use.

SURFACE PREPARATION

Surfaces must be dry, clean, free of oil, grease and other foreign material.

New Steel Surfaces: Surfaces should be blasted to near-white metal surface cleanliness according to SSPC-SP10 or ISO 8501-2 Sa 2½ in order to meet the requirements of ISO 12944-6 standard. Blastprofile on steel should be 40–70 microns in depth. Depending on ambient conditions, blasted surfaces must be primed in maximum 5 hours with **11500 KANEPOX ZINC RICH 80**. Remove all the old paint to bare steel by abrasive blasting.

Previously Painted Surfaces: Remove all the old paint to bare steel by abrasive blasting.

Touch-up: Remove all dust, dirt and other foreign material and keep dry. Surfaces should be blasted to near-white metal surface cleanliness according to SSPC-SP10 or ISO 8501-2 PSa2 ½. **11500 KANEPOX ZINC RICH 80** can be safely used for touch-up. Clean the surface to PSt 2-PSt 3 level mechanically according to ISO 8501-2 and complete the touch-up application with a surface tolerant primer.

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APPLICATION PROCEDURE (Mixing Procedure)

This is a two-component paint. Do not mix more material than you plan to use within the listed pot life. Complete containers must be mixed at one time. **DO NOT MIX PARTIAL QUANTITIES FROM CONTAINERS OR PROPER COMPONENT RATIOS MAY NOT BE OBTAINED.** Prior to mixing, components A Base and B Hardener should be at room temperature. Combine 1 part by weight of Part B Hardener with 10 parts by weight of Part A Base. Homogenize the mixture with a power mixer, add thinner if necessary and wait 10-15 minutes for induction before use. Mixed product must be used within 6 hours (20°C). Continuous stirring against zinc dust settling is required during application.

MIXING RATIO (by weight)

Base: 11500 : Curing Agent 0320
10 : 1 by weight

APPLICATION CONDITIONS

For the best results;

Temperature must be more than 5°C during the application and/or the curing process.

Surface Temperature: At least 3°C above dew point.
Relative Humidity: 85% maximum.

Good ventilation is required during application

APPLICATION

Stripe coat all crevices, welds and sharp angles. Apply paint at the recommended film thickness and spreading rate. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance. There is no limitation for maximum recoating interval provided that surface is free of oil, grease and other foreign material. Do not apply more than 175 microns (7 mils) WFT to prevent sagging. When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas and pinholes. If necessary, cross spray at a right angle.

Disclaimer: This product is for professional users only. In case of non-compliance with the instructions or conditions set forth in this document and other additional documents regarding the application of the product, Kanat Paints & Coatings does not accept any responsibility for any damage including but not limited to performance issues. Kanat Paints & Coatings owns all trademarks, patents and licenses mentioned in this document. All values and ratios stated are given in accordance with other values and ratios in the document. All information regarding the product is correct and appropriate to the best of Kanat Paints & Coatings' knowledge, but the factors that are not related to production process, especially external factors, and that may affect the application or use are beyond the control of Kanat Paints & Coatings. It is the user's responsibility to check the validity of this document before using the product. Technical data and instructions published by Kanat Paints & Coatings may change without prior notice. Please contact Kanat Paints for current versions or additional technical data and instructions.

CLEAN UP

KANAT THINNER 0606, KANAT THINNER 0620, KANAT THINNER 0625

APPLICATION EQUIPMENT

(The table is a guide for 20°C)

Application Equipment	Airless Spray	Roller / Brush
Thinner maximum (% by weight)	%5	%15
Pressure minimum (bar)	175	-
Nozzle (inch)	0,017-0,025	-

PRECAUTIONS

- Contact KANAT Project Group in case surface preparation is not applicable either by blasting or mechanical.
- Maximum 75 microns DFT should be applied to ensure good adhesion.
- Long overcoating intervals may lead to zinc corrosion products (white rust). Remove white rust with brush and clean the surface with appropriate detergent and/or pressurized fresh water. Avoid mechanical cleaning that would decrease DFT of the film.
- Condensation forming on the coating during early times of curing may result in longer cure times, premature failure, discoloration or a surface haze or blush that must be removed before recoating.