

11460 KANEPOX COAT ZINC PRIMER

PRODUCT DESCRIPTION

Epoxy-poliamide based, two component micronized zinc dust containing primer with outstanding adhesion performance. It provides cathodic protection and shows high anticorrosive performance.

RECOMMENDED USE

In Transformer paints sector, Radiators, Corrugated Walls / Power boilers and various accessories, DKP sheet metal, It is preferred for painting steel surfaces and zinc galvanized surfaces by flow and/or spray method.

According to ISO 12944-5 Standard, it can be used as a primer in paint systems requiring corrosion categories from C2 to C5.

PRODUCT CHARACTERISTICS

Finish: Matt	Density (g/ml) 1.50±0,10
Colour: Grey	Spreading Rate (m²/kg) ~6.80 (50 microns DFT)
Thinner: Kanat Thinner 0621 Kanat Thinner 0625	Flash Point 26°C
Mixing Ratio (by weight) 5 parts A comp. + 1 part B comp.	VOC (Volatile Organic Content) 423 g/l
Mixed Product;	Application Methods Airless spray, Flow
Volume Solids (%) 51±2	Pot Life (20°C) 12 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 **11460 KANEPOX COAT ZINC PRIMER** is 25 kgs.
One pail of **11460 KANEPOX COAT ZINC PRIMER** component A is 20 kgs,
One can of **KANEPOX HARDENER 0393** component B is 4 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 **11460 KANEPOX COAT ZINC PRIMER**. Remove all the old paint to bare steel by abrasive blasting.
New surfaces without scraped and mechanically cleaned: Chemical treatment to clean and roughen it from oil, dust, rust or any contamination (phosphating and similar) should be done. After this process, the surface should be rinsed to remove chemicals and then make sure that the surface is completely dry. There should be no rust on the dried surface.

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. **11460 KANEPOX COAT ZINC PRIMER**. 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

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.

MIXING RATIO (by weight)

Base: 11460: Curing Agent 0393
5 : 1 by weight

APPLICATION CONDITIONS

For the best results;

Air Temperature: 5°C minimum, 35°C maximum (preferably over 10°C).

Surface Temperature: At least 3°C above dew point, 5°C minimum and 45°C maximum.

Relative Humidity: 85% maximum.

Good ventilation is required during application.

MIXING PROCEDURE

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 4 parts by weight of Part A Base. Homogenize the mixture with a power mixer, add thinner if necessary. Mixed product must be used within 12 hours (20°C). Continuous stirring against zinc dust settling is required during application.

CLEAN UP

KANAT THINNER 0606, KANAT THINNER 0621, KANAT THINNER 0625

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.

APPLICATION EQUIPMENT

(The table is a guide for 20°C)

Application Equipment	Airless Spray	Roller	Flow (17-35")
Thinner maximum	%5	%15	%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.
- 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, solvent entrapment, premature failure, discoloration or a surface haze or blush that must be removed before recoating.

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