

15530 KANEPOX UNIMASTIC

PRODUCT DESCRIPTION

15530 KANEPOX UNIMASTIC is an epoxy-polyamine based, two component, zinc phosphate containing, fast drying, high built, self priming mastic coating with low volatile organic content (VOC). It is specially designed as a surface tolerant coating with excellent adhesion on marginally prepared steel surfaces and a wide range of existing coatings. Applied coating could dry down to -5°C. It is most often used in those applications where high film thickness in one coat is required.

RECOMMENDED USE

It has been developed as a surface tolerant protective coating for multi-purpose use such as water jet cleaned / wet blasted new or coated surfaces, blasted, mechanically cleaned or non-blasted surfaces. It can also be applied to damp surfaces. In cases where UV resistance is not necessary, it can be applied in the following areas as a high build primer or midcoat in anticorrosive paint systems;

- Oil refineries and petrochemicals,
- Chemical industry facilities,
- Structural steels,
- Bridges, dams, ports and docks
- Storage tanks and pipes exterior

It can be applied as a primer or midcoat in the paint systems demanded from C2 to C5 corrosion categories according to ISO 12944-5 Standard.

Complies with the requirements of LEED V4 – Low Emission Substances (substances with a maximum VOC content of 250 g/l)

PRODUCT CHARACTERISTICS

Finish: Matt	Density (g/ml) 1,52±0,10
Colour: Grey, Oxide Red	Spreading Rate (m ² /l) 7,60 (100 mikron DFT)
Thinner: Kanat Thinner 0620 (Low Temp.) Kanat Thinner 0625 (High Temp.)	Flash Point 43°C
Mixing Ratio (By Volume) 15,56 Parts A Comp. + 4,44 Parts B Comp	VOC (Volatile Organic Content) 199 gr/l
Mixed Product; Volume Solids (%) 76±2	Application Methods Airless Spray, Roller
	Pot Life (20°C) 1 hours

DRYING SCHEDULE(*)

(100 microns/4 mils film thickness)

	Dry to Touch	Hard Dry	Dry to Over Coat Minimum
-5°C	15 hours	35 hours	24 hours
0°C	11 hours	25 hours	18 hours
5°C	6 hours	15 hours	12 hours
15°C	2,5 hours	6 hours	4 hours
25°C	1,5 hours	3 hours	2 hours
35°C	1 hours	2 hours	1,5 hours

Drying values are valid for defined dry film thickness and below 85% relative humidity.

Fully Cured: 7 days (20°C)

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

PACKAGING

One kit of **15530 KANEPOX UNIMASTIC** is 20 l.

One pail of **15530 KANEPOX UNIMASTIC** component A is 15,56 l

One can of **KANEPOX HARDENER 0335** component B is 4,44 l.

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.

SAFETY PRECAUTIONS

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

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SURFACE PREPARATION

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

New Steel Surfaces: Power tool cleaning to St2-St3 according to ISO 8501-1. Surface blasting to near white metal surface cleanliness according to SSPC-SP10 or ISO 8501-1 Sa ½ will improve performance. Depending on ambient conditions, power tool cleaned or blasted surfaces must be primed in maximum 5 hours with **15530 KANEPOX UNIMASTIC**.

Previously Painted Surfaces: If the aged coating is in a good condition, it is slightly sanded and cleaned by pressurized fresh water cleaning to remove the dust and other contaminations. Otherwise remove all the cracked and peeling paint by using hand tools to a cleanliness of St 2–St3 according to ISO 8501-1. If applicable blast cleaning to Sa 2–Sa 2½ according to ISO 8501-1 level to get better results. Water jetting to a minimum degree of Wa 2 ½ (ISO 8501-4:2006) is also applicable as an alternative to abrasive blasting. A flash rust degree of maximum M (ISO 8501-4:2006) is acceptable before application.

Primed/Midcoated Surfaces: Be sure that overcoating period is not exceeded. Otherwise the surfaces must be blasted to have a surface profile.

The Surfaces Other Than Steel: Contact KANAT PAINTS & COATINGS Project Group for the galvanized, aluminium, plastic surfaces.

Touch-up: Remove all dust, dirt and other foreign material and keep dry. Clean the surface to St2–St 3 level mechanically according to ISO 8501-1 and complete the touch-up application as soon as possible. **15530 KANEPOX UNIMASTIC** can be safely used for touch-up.

APPLICATION PROCEDURES (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 4,44 parts by volume of Part B Hardener with 15,56 parts by volume of Part A Base. Homogenize the mixture with a power mixer, add thinner if necessary. Mixed product must be used within 1 hours (20°C).

MIXING RATIO

Base 15530 : Curing Agent 0335
3,5 : 1 by volume

APPLICATION CONDITIONS

For the best results;
Temperature must be more than 0°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. Maximum coating interval is 30 days.

Do not apply more than 500 microns 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.

0620 coded thinner should be used for blasted new steels and 0625 coded thinner should be used for maintenance projects and projects that are require surface tolerance.

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CLEAN UP

**KANAT THINNER 0644, KANAT THINNER 0620,
KANAT THINNER 0625**

APPLICATION EQUIPMENT

(The table is a guide for 20°C)

Application Equipment	Airless Spray	Roller
Thinner maximum	%10	%10
Pressure minimum (bar)	200	—
Nozzle(inch) / Diameter (mm)	0,017-0,021	—

PRECAUTIONS

- If the maximum time is exceeded in the application of paint between coats, the surface should be roughened, if the surface is left in a dirty environment for a long time, it should be washed with high pressure fresh water and allowed to dry.
- If 15530 KANEPOX UNIMASTIC is applied at low temperatures or if the applied paint is exposed to rain or dew while it dries, hardener exudation may occur, as can be seen in all epoxy systems, leading to whitening and mottling.
- Due to the natural structure of epoxy paints at high temperatures, it should be expected that their resistance to mechanical impacts and chemical substances will decrease. They are also prone to chalking and discoloration when exposed to UV rays continuously.

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