

15200 KANEPOX UNICOAT

PRODUCT DESCRIPTION

15200 KANEPOX UNICOAT is an epoxy based, two component, zinc phosphate containing, midcoat/ topcoat/ onecoat with excellent adhesion and elasticity. It has excellent durability against moisture and chemicals.

RECOMMENDED USE

This product, which is used as a fast-drying intermediate/topcoat/one coat epoxy paint of anticorrosive paint systems, is applied to protect steel surfaces from corrosion in the following areas;

- Structural steels
- Tank and pipe outer surfaces
- Steel surfaces in port facilities
- Concrete floors and surfaces

It can be implemented as an intermediate or topcoat in paint systems demanded from C2 to C5 corrosion categories, as well as protecting up to the C4 corrosion category as one coat according to ISO 12944-5 Standard.

PRODUCT CHARACTERISTICS

Finish: Matt	Density (g/ml) 1,55±0,10
Colour: Wide range of colours available	Spreading Rate (m²/l) 8,50 (80 microns DFT)
Thinner: Kanat Thinner 0620 (Low Temp.) Kanat Thinner 0625 (High Temp.)	Flash Point 32°C
Mixing Ratio (by volume) 14,4 Parts A Comp. + 3,6 Parts B Comp.	VOC (Volatile Organic Content) 300 g/l
Mixed Product; Volume Solids (%) 68±2	Application Methods Airless Spray, Roller
	Pot Life (20°C) 2 hours

DRYING SCHEDULE(*)

(80 microns/3 mils film thickness)

	Dry to Touch	Hard Dry	Dry to Over Coat Minimum
5°C	4 hours	12 hours	12 hours
15°C	3 hours	7 hours	7 hours
25°C	2 hours	4 hours	4 hours
35°C	1 hour	2 hour	2 hour

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 **15200 KANEPOX UNICOAT** is 18 l.

One pail of **15200 KANEPOX UNICOAT** component A is 14,4 l.

One can of **KANEPOX HARDENER 0378** component B is 3,6 l.

SHELF LIFE

Part A–12 months, Part B–12 months 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.

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SURFACE PREPARATION

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

Primed/Mid Coated Surfaces: Follow the overcoating times for primer and/or mid coat, if maximum overcoating time is exceeded, abrade surface before top coating. The surfaces must be clean and dust free. Remove all the dust, dirt and other foreign material by water cleaning accumulated during the production and storage, Top coat is then applied to completely dry surface.

New Steel Surfaces: Surfaces should be blasted to near-white metal surface cleanliness according to SSPC-SP10 or ISO 8501-1 Sa 2½. Surface cleanliness of St 2-St 3 according to ISO 8501-1 is sometimes allowed depending upon the conditions. Depending on ambient conditions, blasted surfaces must be primed in maximum 5 hours with **15200 KANEPOX UNICOAT**.

Previously Painted Surfaces: If the aged coating is in a good condition, it is slightly sanded and cleaned by high pressure 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–St 3 according to ISO 8501-1. If applicable, blast cleaning to Sa 2–Sa 2½ level according to ISO 8501-1 to get better results. Water jetting is also applicable as an alternative to abrasive blasting.

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

Touch-up: Contact **KANAT PAINTS & COATINGS** Project Group.

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 (16–24°C). Combine 3,6 parts by volume of Part B Hardener with 14,4 parts by volume of Part A Base. Homogenize the mixture with a power mixer, add thinner if necessary before use. Mixed product must be used within 2 hours (20°C).

MIXING RATIO

Base 15200 : Curing Agent 0378
4 : 1 by volume

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, chalking and other foreign material. Do not apply more than 225 microns (9 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.

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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	%10-12
Pressure minimum (bar)	175	-
Nozzle(inch)	0,013-0,019	-

PRECAUTIONS

- If the surface is highly contaminated apply water cleaning before rocoating.
- Do not apply heavy coats beyond the specification otherwise solvent pooping may occur.
- 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.
- High temperatures decrease resistance properties of epoxy based products. Epoxy based products also have a tendency to yellowing, chalking and have limited gloss retention on exterior surfaces.

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