

## 12200 KANEPOX UNIFAST

### PRODUCT DESCRIPTION

It is an epoxy resin-based, two-component, fast drying, high build epoxy paint containing zinc phosphate as an anticorrosive pigment, which can be applied at low temperatures (up to -5 °C). It can be used alone or with different primers and midcoat of the paint systems in applications where fast overcoat and drying time are required to protect steel structures from corrosion.

### RECOMMENDED USE

This product, which has been developed to provide resistance to different corrosive environments can be used in the areas such as;

- Bridges
- Structural steels
- Storage tank outer surfaces

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

<b>Finish:</b> Matt	<b>Density (g/ml)</b> 1,45±0,10
<b>Colour:</b> Grey, Oxide Red	<b>Spreading Rate (m<sup>2</sup>/l)</b> 7,80 (100 microns DFT)
<b>Thinner:</b> KANAT THINNER 0620 (Low Temp.) KANAT THINNER 0625 (High Temp.)	<b>Flash Point</b> 40°C
<b>Mixing Ratio (by volume)</b> 16,67 Parts A Comp. + 3,33 Parts B Comp.	<b>VOC ( Volatile Organic Content)</b> 205g/l
<b>Mixed Product; Volume Solids (%)</b> 78± 2	<b>Application Methods</b> Airless Spray, Roller
	<b>Pot Life (20°C)</b> 3 hours

### DRYING SCHEDULE(\*)

(100 microns/4 mils film thickness)

	Dry to Touch	Hard Dry	Dry to Over Coat Minimum
-5°C	13 hours	30 hours	24 hours
0°C	10 hours	21 hours	18 hours
5°C	7 hours	15 hours	12 hours
15°C	2 hours	5 hours	3,5 hours
25°C	1,5 hours	3 hours	2 hours
35°C	1 hour	2 hours	1,5 hours

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

Fully Cured: 4 days (20°C)

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

### PACKAGING

One kit of **12200 KANEPOX UNIFAST** is 20 l.

One pail of **12200 KANEPOX UNIFAST** component A is 16,67 l,

One can of **KANEPOX HARDENER 0373** component B is 3,33 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.

### HEALTH/SAFETY PRECAUTIONS

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

## 12200 KANEPOX UNIFAST

### SURFACE PREPARATION

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

**New Surfaces:** Surfaces should be blasted to near-white metal surface cleanliness according to SSPC-SP10 or ISO 8501-1 Sa 2. 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 **12200 KANEPOX UNIFAST**.

**Primed Surfaces:** Follow the overcoating times for primer, if maximum recoating 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 accumulated during the production and storage by pressurized fresh water cleaning. Midcoat is then applied to completely dry surface.

**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-St 3 according to ISO 8501-1. If applicable blast cleaning to Sa 2-Sa 2 according to ISO 8501-1 level 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.

**Rusty Surfaces:** Contact **KANAT PAINTS & COATINGS** Project Group.

**Touch-up:** Remove all dust, dirt and other foreign material and keep dry. Clean the surface to St 2-St 3 level mechanically according to ISO 8501-1 and complete the touch-up application as soon as possible. **12200 KANEPOX UNIFAST** 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 3,33 parts by volume of Part B Hardener with 16,67 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 3 hours (20°C).

### MIXING RATIO

Base 12200 : Curing Agent 0373  
5:1 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. Maximum coating interval is 3 months. Do not apply more than 250 microns (10 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.

## 12200 KANEPOX UNIFAST

### 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	%7	%7
Pressure minimum (bar)	200	-
Nozzle(inch)	0,017-0,021	-

### PRECAUTIONS

- Contact KANAT PAINTS & COATINGS Project Group in case surface preparation is not applicable either by blasting or mechanical.
- Best adhesion between coats is achieved if paint is applied before full curing of the previous coat.
- Recoating period is minimum 2 hours and maximum 3 months (20°C). Recoating interval depends on temperature, humidity and film thickness. If maximum recoating time is exceeded abrade surface, if the surface is highly contaminated apply pressurized fresh water cleaning before recoating.
- 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.

**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.