

19050 KANEPOX NOVA PRIMER-50

PRODUCT DESCRIPTION

19050 KANEPOX NOVA PRIMER-50 is a novalac (phenolic) epoxy-polyamine based, two component primer and/or tiecoat containing zinc phosphate. It is specifically designed for fast dry even at low temperatures (down to -5°C). It has very long overcoating window with excellent adhesion and elasticity. It has superior immersion resistance to fuels, wide range of acids, bases, solvents and water.

RECOMMENDED USE

It can be used as a holding primer for heavy-duty painting projects, also as a tiecoat to increase maximum overcoating time of existing paint system. In addition, it can be used for protection against corrosion in the following structures;

- Fuel and chemical storage tanks interior
- Ship structures
- Structural steels
- Insulation priming of hot surfaces (up to 260°C dry temperature)

It can be applied as a primer in paint systems where immersion categories from Im1 to Im3 and corrosion categories from C2 to C5 are required according to ISO 12944-5 Standard.

PRODUCT CHARACTERISTICS

Finish: Matt	Density (g/ml) 1,40±0,10
Colour: Oxide Red, Grey, Beige	Spreading Rate (m²/l) 11,00 (50 microns DFT)
Thinner: Kanat Thinner 0620 (Low Temp.) Kanat Thinner 0625 (High Temp.)	Flash Point 16°C
Mixing Ratio (by volume) 16 Parts A Comp. + 4 Parts B Comp.	VOC (Volatile Organic Content) 403 g/l
Mixed Product; Volume Solids (%) 55±2	Application Methods Airless spray, Roller
	Pot Life (20°C) 2 hours

DRYING SCHEDULE(*)

(50 microns/2 mils film thickness)

	Dry to Touch	Hard Dry	Dry to Over Coat Minimum
-5°C	14 hours	28 hours	24 hours
0°C	10 hours	20 hours	16 hours
5°C	7 hours	14 hours	12 hours
15°C	5 hours	10 hours	8 hours
25°C	3 hours	5 hours	4 hours
35°C	2 hours	3 hours	2 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 **19050 KANEPOX NOVA PRIMER-50** is 20 l.

One pail of **19050 KANEPOX NOVA PRIMER-50** component A is 16 l.

One can of **KANEPOX HARDENER 0371** component B is 4 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.

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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 8501-1Sa 2½. Depending on ambient conditions, blasted surfaces must be primed in maximum 5 hours with **19050 KANEPOX NOVA PRIMER-50**.

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

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. **19050 KANEPOX NOVA PRIMER-50** 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 (16-24°C). Combine 4 parts by volume of Part B Hardener with 16 parts by volume of Part A Base. Homogenize the mixture with a power mixer, add thinner 0625 or 0620 if necessary and wait 10 -15 minutes for induction before use. Mixed product must be used within 2 hours (20°C).

MIXING RATIO

Base 19050 : Curing Agent 0371
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 40-60 microns DFT. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance. Film formation quality shall be good, there shall be no dry overspraying dust for a homogeneous film formation. Maximum coating interval is 3 months.

Do not apply more than 200 microns (8 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.

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/ Brush
Thinner maximum	5%	10%
Pressure minimum (bar)	150	-
Nozzle(inch)	0,013-0,017	-

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PRECAUTIONS

- 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.
- Recoating period is minimum 3 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.
- Do not apply heavy coats beyond the specification otherwise solvent popping may occur.

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