19570 KANEPOX HYGIENIC

PRODUCT DESCRIPTION

19570 KANEPOX HYGIENIC is a phenolic epoxy-polyamine based, two component, solvent-free coating with excellent resistance to water, crude oil, diesel fuel, jet fuel (JP-8, Jet A1) and unleaded gasoline. It can be applied at high film thicknesses. It exhibits excellent curing characteristics at low temperatures and/or high humidity without any surface defects such as blushing, cracking etc. It is free of benzyl alcohol and nonyl phenol.

RECOMMENDED USE

It can be used as a protective coating for the structures listed below that are subject to intense corrosion or abrasion;

- Saline water and oil pipelines
- Petroleum and petroleum products storage and transport tanks interior (up to 100 °C)
- Treatment plants
- Steel and concrete surfaces.

According to ISO 12944-5 and ISO 12944-9 Standards, it can be applied as a topcoat or one coat in paint systems
Complies with the requirements of LEED V4 – Low Emission Substances (substances with a maximum VOC content of 250 g/l)

CERTIFICATES

AWWA C210 (PRA)–Suitability of use in steel water pipelines

Certificate of suitability for use in JP-8 jet fuel tanks (Bodycote) according to MIL-PRF-4556F Standard.

Atlas cell test certificate (Exova) according to ASTM D:6943:2003 Standard.

PRODUCT CHARACTERISTICS

Finish:
Gloss

Colour:
Cream, Grey, Green, Oxide Red

Thinner:
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Mixing Ratio (by volume)
14,57 Parts A Comp. + 5,43 Parts B Comp.

Mixed Product;
Volume Solids (%)
~100

Density (g/ml)
1,33±0,10

Spreading Rate (m²/l)
5,00 (200 microns DFT)

Flash Point
>100°C

VOC (Volatile Organic Content)
0 g/l

Application Methods
Airless spray, Roller

Pot Life (20°C)
50 minutes

DRYING SCHEDULE(*)

(200 microns/4 mils film thickness)

	Dry to Touch	Hard Dry	Dry to Over Coat Minimum
5°C	18 hours	36 hours	36 hours
15°C	12 hours	24 hours	24 hours
25°C	8 hours	16 hours	16 hours
35°C	5 hours	10 hours	10 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 **19570 KANEPOX HYGIENIC** is 20 l.

One pail of **19570 KANEPOX HYGIENIC** component A is 14,57 l.

One can of **KANEPOX HARDENER 0362** component B is 5,43 l.
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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 8501-1 Sa 2½. Blast profile on steel should be 75-100 microns in depth. Applicable directly without primer on cleaned surfaces of small tanks and warehouses where paint application could be done in the same day. For surface cleaning which lasts a few days or longer, ~40 microns DFT novalac holding primer should be applied as a onecoat primer.

Concrete: Remove loose, unsound concrete, laitance and create a surface profile by either acid etching, abrasive blasting or mechanical grinders and apply pressurized fresh water cleaning. A properly selected sealer–Kanfloor Sealer– is applied. Surfaces must be dry and clean before application.

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 5,43 parts by volume of Part B Hardener with 14,57 parts by volume of Part A Base. Homogenize the mixture with a power mixer. Mixed product must be used within 50 minutes (20ºC) without an induction time.

MIXING RATIO

Base 19570 : Curing Agent 0362
2,70 : 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 10-15% thickness difference between wet film and dry film is possible. Staff should wear gas masks and use ex-proof equipment when working in tanks. Maximum coating interval is 7 days.

Do not apply more than 350 microns (14 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

APPLICATION EQUIPMENT

(The table is a guide for 20°C)

Application Equipment	Airless Spray	Roller
Thinner maximum	-	-
Pressure minimum (bar)	250	-
Nozzle(inch)	0,019-0,027	-

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PRECAUTIONS

• It is recommended to use foil while measuring the difference between wet film thickness and dry film thickness.

• Contact KANAT Project Group in case surface preparation is not applicable either by blasting or mechanical cleaning.

• Recoating period is minimum 8-10 hours and maximum 7 days (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.

• High temperatures decrease resistance properties of epoxy based products.

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