

18000 KANEPOX TAR

PRODUCT DESCRIPTION

18000 KANEPOX TAR is a coal tar modified epoxy-polyamine based, two component coating with excellent adhesion and elasticity. It has good resistance to immersion to soil chemicals. It has excellent durability against moisture and water.

RECOMMENDED USE

Protective coating for;

- Interiors of crude oil and dark petroleum product tanks.
- Waste water treatment plants exposed to severe corrosion and abrasion.
- Concrete and steel structures buried under soil.
- Waste water, domestic water storage tanks and transportation pipes.
- Steel structures exposed to sea water.

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

CERTIFICATES

- AWWA C210 (PRA) – Certificate of internal coating suitability for steel water pipelines
- Cathodic disbondment certificate (EXOVA) - It has been tested according to ASTM G8:2003 Standard.

PRODUCT CHARACTERISTICS

Finish: Semi-Gloss	Density (g/ml) 1,47±0,10
Colour: Black, Brown	Spreading Rate (m ² /l) 3,36 (250 microns DFT)
Thinner: Kanat Thinner 0630	Flash Point 43°C
Mixing Ratio (By Volume) 14,29 Parts A Comp. + 5,71 Parts B Comp.	VOC (Volatile Organic Content) 140 gr/l
Mixed Product; Volume Solids (%) 84±2	Application Methods Airless Spray, Roller
	Pot Life (20°C) 1 hour

DRYING SCHEDULE(*)

(250 microns/10 mils film thickness)

	Dry to Touch	Hard Dry	Dry to Over Coat Minimum
5°C	10 hours	24 hours	24 hours
15°C	7 hours	18 hours	18 hours
25°C	4,5 hours	12 hours	12 hours
35°C	3 hours	6 hours	6 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 **18000 KANEPOX TAR** is 20 l.

One pail of **18000 KANEPOX TAR** component A is 14,29 l.

One can of **KANEPOX HARDENER 0372** component B is 5,71 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 8501-1 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 **18000 KANEPOX TAR**.

Concrete: Remove loose, unsound concrete, laitance and create a surface profile by, abrasive blasting or mechanical grinders and apply cleaning pressurized fresh water cleaning. A properly selected sealer – **Epoxy SEALER**– is applied as first. Surfaces must be dry and clean before application. New concrete or masonry must cure 28 days before coating.

Previously Painted Surfaces: Previously coated surfaces must be sound and in good condition. Smooth, hard, or glossy finishes should be dulled by sanding or sweep blasting to create a surface profile. If paint is peeling or badly weathered, clean surface to sound substrate to St 2–St 3 and preferably Sa 2–Sa 2½ according to ISO 8501-1. Water jetting is another way to create the desired surface profile to ensure the adequate adhesion.

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. **18000 KANEPOX TAR** 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 5,71 parts by volume of Part B Hardener with 14,29 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 1 hour (20°C).

MIXING RATIO

Base 18000 : Curing Agent 0372
2,5 : 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 2 days. Do not apply more than 700 microns (28 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 0630

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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)	0,019-0,025	–

PRECAUTIONS

- Recoating period is minimum 5-7 hours and maximum 2 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.
- 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.
- To avoid application and drying problems at low temperatures (below 15°C), it is strongly recommended to keep A and B component at 15-25°C during application by either airless with heating equipment or by pre-heating.

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