

18530 KANEPOX LINING FREE PRO

PRODUCT DESCRIPTION

18530 KANEPOX LINING FREE PRO is an epoxy-polyamine based, two component, solvent-free coating with excellent resistance to fresh water, sea water. It can be applied at high film thicknesses. It exhibits excellent curing characteristics at low temperatures with daily temperature fluctuations and/or high humidity without any surface defects such as blushing, cracking etc. It is free of benzyl alcohol and nonyl phenol.

RECOMMENDED USE

Protective coating for;

- Potable water, sea water pipelines.
- Potable water, sea water tanks.
- Steel and concrete surfaces.

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

CERTIFICATES & APPROVALS

- Suitability to use in contact with potable water is tested by WRC- NSF-UK and approved by WR AS-UK according to BS 6920 standard.
- Certified to NSF/ANSI 61 for oxide red colour.



Certified to
NSF/ANSI 61

PRODUCT CHARACTERISTICS

Finish: Gloss	Density (g/ml) 1,36±0,10
Colour: Cream, Oxide Red, Grey	Spreading Rate (m ² /l) 2,45 (300 microns DFT)
Thinner: –	Flash Point >100°C
Mixing Ratio (by volume) 2 Parts A Comp. + 1 Parts B Comp.	VOC (Volatile Organic Content) 0 g/l
Mixed Product; Volume Solids (%) ~100	Application Methods Airless Spray, Roller/Brush
	Pot Life (20°C) 20 minutes

DRYING SCHEDULE(*)

(300 microns/12 mils film thickness)

	Dry to Touch	Hard Dry
5°C	12 hours	24 hours
15°C	7 hours	18 hours
25°C	4 hours	12 hours
35°C	3 hours	8 hours

Fully Cured: 15 days (20°C)

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

PACKAGING

One kit of **18530 KANEPOX LINING FREE PRO** is 600 l.

Two barrels of **18530 KANEPOX LINING FREE PRO** component A are 400 l.

One barrel of **KANEPOX HARDENER 0377** component B is 200 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.

18530 KANEPOX LINING FREE PRO

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 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 cleaning water. A properly selected sealer –Epoxy Sealer– is applied. Surfaces must be dry and clean before application.

APPLICATION PROCEDURES (Plural Airless Spray)

18530 KANEPOX LINING FREE PRO suitable to be used with plural airless spray equipment based on volumetric mixing. A and B components are supplied in separate drums.

MIXING RATIO (By Volume)

2 parts A comp. + 1 part B comp.

MIXING PROCEDURE

Homogenize A and B components separately by mixing. Temperature of A and B component shall be minimum 40°C and maximum 60°C. Homogenized A and B components shall be pumped to metering unit to provide constant volumetric mixing.

APPLICATION CONDITIONS

For the best results;

Air Temperature: 5°C minimum, 35°C maximum.

Surface Temperature: At least 3°C above dew point, 5°C minimum and 50°C maximum.

Relative Humidity: 90% 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. 4-6 hours drying is recommended before the second coat for best results. Maximum coating interval is 4 days. Do not apply more than 1000 microns (40 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.

15206 KANÉPOX UNICOAT MIX

CLEAN UP

KANAT THINNER 0644 CLEANING

APPLICATION EQUIPMENT

(The table is a guide for 20°C)

Application Equipment	Airless Spray	Roller/Brush
Thinner maximum(% by weight)	–	–
Pressure minimum (bar)	250-300	–
Nozzle(inch)	0,021-0,033	–

PRECAUTIONS

- Contact K ANAT Project Group for procedures, pre-treatments and durations for potable water tanks to take into service.
- It is recommended to use foil while measuring the difference between wet film thickness and dry film thickness.
- Recoating period is minimum 4-6 hours and maximum 4 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. Epoxy based products also have a tendency to yellowing, chalking and have limited gloss retention on exterior surfaces.
- Contact KANAT Project Group for field touch-up and maintenance procedures.

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.