

16250 KANEPOX GLASSFLAKE XHS

PRODUCT DESCRIPTION

16250 KANEPOX GLASSFLAKE XHS is a novalac (phenolic) epoxy-polyamine based, two component, high-built, very high solid, self-priming coating reinforced with glass flake. It is most often used in those applications where impact and abrasion resistance and excellent barrier properties are required. It is suitable to be used on surfaces where cathodic protection is employed during life cycle.

RECOMMENDED USE

It is used to protect the steel and concrete structures listed below that are exposed to highly corrosive environments and/or abrasive mechanical conditions;

- Ports, docks and piers
- Pile pipes
- Thermal power plant cooling pipes
- Splash zone structures
- Storage tanks interior and exterior
- Structural steels
- (Hot) Water tanks and pipelines (up to 95°C)
- Insulation priming of hot surfaces (up to 240°C dry temperature)

It can be used as primer, topcoat and onecoat in paint systems required in immersion categories from Im1 to Im4 and CX corrosion category according to ISO 12944-5 and ISO 12944-9 Standard.

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

PRODUCT CHARACTERISTICS

Finish: Gloss	Density (g/ml) 1,41±0,10
Colour: Grey, Black, Oxide Red	Spreading Rate (m²/l) 2,38 (400 mikrons DFT)
Thinner: Kanat Thinner 0620 (Low Temp.) Kanat Thinner 0625 (High Temp.)	Flash Point 27°C
Mixing Ratio (By Volume) 15 Parts A Comp. + 5 Parts B Comp	VOC (Volatile Organic Content) 36 gr/lit
Mixed Product; Volume Solids (%) 95±2	Application Methods Airless Spray, Roller
	Pot Life (20°C) 45 minutes

DRYING SCHEDULE(*)

(400 microns/8 mils film thickness)

	Dry to Touch	Hard Dry	Dry to Over Coat Minimum
5°C	12 hours	36 hours	36 hours
15°C	7 hours	20 hours	20 hours
25°C	4 hours	12 hours	12 hours
35°C	3 hours	8 hours	8 hours

Fully Cured: 7 days (20°C)

(*) Drying time depends on temperature, humidity and film thickness. Drying values are valid for defined dry film thickness and below 85% relative humidity.

PACKAGING

One kit of **16250 KANEPOX GLASSFLAKE XHS** is 20 l.

One pail of **16250 KANEPOX GLASSFLAKE XHS** component A is 15 l.

One can of **KANEPOX HARDENER 0395** component B is 5 l.

SHELF LIFE

Part A—2 year, Part B—2 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 50-85 microns. Applicable directly without primer on cleaned surfaces 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 one coat blasting primer.

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."

Previously Painted Surfaces: Contact KANAT PAINTS & COATINGS Project Group.

The Surfaces Other Than Steel: Contact KANAT PAINTS & COATINGS Project Group for the galvanized, aluminium, plastic surfaces.

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. **16250 KANEPOX GLASSFLAKE XHS** 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 parts by volume of Part B Hardener with 15 parts by volume of Part A Base. Homogenize the mixture with a power mixer, add thinner if necessary. Mixed product must be used within 45 minutes (20°C).

MIXING RATIO

Base 16250 : Curing Agent 0395
3 : 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. Staff should wear gas masks and use ex-proof equipment when working in tanks. Maximum coating interval is 3-4 days. Do not apply more than 1000 microns (40 mils) WFT to prevent sagging.

Contact KANAT PAINTS & COATINGS Project Group for higher WFT applications. 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.

FILTERS IN SPRAY GUNS AND PUMPS MUST BE REMOVED AND DOUBLE-SPACE NOZZLE MUST BE USED.

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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	%10	%10
Pressure minimum (bar)	200	—
Nozzle (inch)	0,025-0,035	—

PRECAUTIONS

- Recoating period is maximum 2-3 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.

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