

16200 KANEPOX GLASSFLAKE HB

PRODUCT DESCRIPTION

16200 KANEPOX GLASSFLAKE HB is an epoxy-polyamine based, two component, high-built, 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. It is resistant up to 140°C dry and 60°C water immersion temperatures.

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

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)

CERTIFICATES

Cathodic disbonding resistance certificate (Exova) according to ASTM G8:2003.

PRODUCT CHARACTERISTICS

Finish: Gloss	Density (g/ml) 1,41±0,10
Colour: Grey, Black	Spreading Rate (m ² /l) 4,00 (200 microns DFT)
Thinner: Kanat Thinner 0620	Flash Point 43°C
Mixing Ratio (By Volume) 15 Parts A Comp. + 5 Parts B Comp.	VOC (Volatile Organic Content) 166 gr/l
Mixed Product; Volume Solids (%) 80±2	Application Methods Airless Spray, Roller
	Pot Life (20°C) 1,5 hours

DRYING SCHEDULE(*)

(200 microns/8 mils film thickness)

	Dry to Touch	Hard Dry	Dry to Over Coat Minimum
5°C	12 hours	40 hours	40 hours
15°C	6 hours	24 hours	24 hours
25°C	3 hours	14 hours	14 hours
35°C	2 hours	8 hours	8 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 **16200 KANEPOX GLASSFLAKE HB** is 20 l.

One pail of **16200 KANEPOX GLASSFLAKE HB** component A is 15 l.

One can of **KANEPOX HARDENER 0362** component B is 5 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. 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 Project Group.

The Surfaces Other Than Steel: Contact KANAT 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. **16200 KANEPOX GLASSFLAKE HB** 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 before use. Mixed product must be used within 1,5 hours (20°C).

MIXING RATIO

Base 16200 : Curing Agent 0362
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 800 microns (32 mils) WFT to prevent sagging. Contact KANAT Project Group technical service 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.

CLEAN UP

KANAT THINNER 0644, KANAT THINNER 0620

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APPLICATION EQUIPMENT

(The table is a guide for 20°C)

Application Equipment	Airless Spray	Roller
Thinner maximum	%5	%5
Pressure minimum (bar)	200	–
Nozzle(inch)	0,023-0,035	–

PRECAUTIONS

- Recoating period is minimum 10-12 hours and maximum 3-4 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.
- 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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