Technical Data

KANPE GLASS EP

Kansai Paint Protective Coatings

GENERIC TYPE
Glass Flake Coating

DESCRIPTION
High-build protective lining based on amine cured epoxy and glass flake material

RECOMMENDED USE
Steel structure at marine or industrial severe corrosive environment

FEATURES
- Excellent durability against acid, alkali, oils, sea water, etc.
- Little penetration of chemicals, water, steam, etc.
- Excellent mechanical strength and excellent adhesion property
- Good workability by conventional airless spray equipment

PHYSICAL PROPERTIES

Colour	Light Grey and Grey
Finish	Matt
Volume Solids	68 %
Typical Thickness	Dry : 350 microns / coat
Theoretical Coverage	1.9 m^2/L at 350 microns DFT
	*Practical coverage vary depending on loss factors.
Flash Point	30℃(Base) 27℃(Hardener)
Specific Gravity	1.39 g/cm3
VOC	278 g/L
Temperature Resistance	Non-continuous : 200℃, Continuous : 100℃

*These numerical values are subject to normal manufacturing tolerances, colours and testing variances.

SURFACE PREPARATION
- All surfaces to be coated should be completely clean, dry and free from contamination. Surface preparation method shall be in accordance with ISO 8504: 2000.
- Remove salt and other water-soluble contaminants by fresh water.
- Remove oil and grease with suitable detergent or solvent (SSPC-SP-1).
- Remove rust, mill scale and other loose material completely by abrasive blasting (ISO8501-1:2007 Sa 2 1/2 or SSPC SP-10)

APPLICATION

Application Conditions	Ambient temperature shall be above 5℃ and relative humidity shall be below 85%. Surface temperature shall be a minimum of 3℃ above dew point. Adequate ventilation shall be provided in confined spaces to ensure proper drying.
Mixing	Stir each component with power agitator well before mixing. Then power mix two components.
Mixing ratio	Base/Hardener = 6/1 by weight
Induction Time	15 minutes after mixing base and hardener when ambient temperature is at 5 to 10℃.
Application Method	Airless spray Thinner : Tect EP Thinner for interior (0-3% by weight) Nozzle pressure: Not less than 15Mpa Nozzle Tip : No.163-31～X35 Brush/Roller Thinner : Tect EP Thinner for interior (0-3% by weight) Power mix thinner if required.
	*Too much thinning results sagging and slower cure.

Clean Up	Clean all the equipment with thinner immediately after use.			
Pot Life		5 ℃	20 ℃	30 ℃
		8 hour(s)	6 hour(s)	4 hour(s)
	*Use all mixed paint within pot life.			
Drying Time		5 ℃	20 ℃	30 ℃
	Surface dry	5 hour(s)	3 hour(s)	2 hour(s)
	Touch dry	24 hour(s)	12 hour(s)	8 hour(s)
	*Drying time may vary depending on film thickness, ventilation, humidity, undercoat paint condition etc.			
Overcoating Interval		5 ℃	20 ℃	30 ℃
	Minimum	48 hour(s)	16 hour(s)	12 hour(s)
	Maximum	7 day(s)	7 day(s)	7 day(s)
	*The overcoating intervals are based on overcoating with same or same type of paint.			
Typical undercoat	SD ZINC, EPOMARINE PRIMER, ESCO			
Typical topcoat	EPOMARINE, CELATECT U UNDERCOAT, SILICOTECT AC UNDERCOAT, CELATECT F UNDERCOAT			

SAFETY PRECAUTIONS

Detail information is given on Material Safety Data Sheet (MSDS). Avoid inhalation of spray mist or vapour. Avoid skin and eye contact. Paint contacted with skin should be immediately removed with water and/or suitable cleanser. Eyes should be flushed with water and seek immediate medical attention. Since this product contains flammable solvents, keep away from sparks and open flames. Application and handling of this product should be in compliance with relevant national regulations.

STORAGE

Store in dry, cool condition and away from sources of heat and ignition. Containers must be kept tightly closed. Store conditions shall be in accordance with national regulations.

SHELF LIFE

12 months from date of production

GENERAL REMARKS

- This product is epoxy resin based paint. Same as common other epoxy paint, this product will chalk and discolour with direct outdoor exposure. Top coat with durable finish is recommended to obtain longer term gloss and colour retention.
- Water or moisture such as rainfall during drying stage may make the paint film surface colour whitish. Once such phenomena is observed, light sanding is required to remove the surface layer before subsequent painting.
- In case using this product for chemical storage tank interior coating, consult Kansai Paint representative for suitability of content product.
- This product will cause abrasive deterioration of the painting equipment due to the influence of the paint composition when applied with airless spray. Please note it may interfere with the maintenance and management of the equipment.

*If any inquiries, please consult Kansai Paint representative for further information.

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ISSUED DATE : 18/11/2021