

KANSAI SURESEAL 690 SPUA

CODE : 471-835/830

PROTECTIVE COATING

POLYUREA

DESCRIPTION

A solvent free, two components aromatic pure polyurea coating.

USE

For waterproofing, potable water tank and pipe lining, anti-corrosion coating for buried and submarine steel pipe, waste water tank, floor slab, and cold room flooring

COLOR AND GLOSS LEVEL APPEARANCE

- Grey, Black
- Gloss Level : Sheen

BASIC DATA

Data for mix product	
Application Method	Heated plural component airless spray equipment
Specific Gravity	1.06 g/ml
Volume Solids	100%
VOC	0 g/Liter (Method 24 analysis)
Flash point	Base : 185°C Hardener : 223°C
Mixing Ratio	Base : Hardener = 1 : 1 by volume
Recommended DFT	1000 – 3000 micron
Theoretical Coverage	0.8 m ² /Liter at DFT 1000 micron 0.75 m ² /Liter at DFT 100 micron *Practical coverage vary depending on loss factor
Pot Life	5 – 10 second
Elongation	450% at 1 mm (ASTM D412)
Tensile Strength	21 MPa (ASTM D412)
Hardness – Shore D	48, ASTM D2240
Packaging	20 Liter (21.2 Kg) Base in pail can 20 Liter (22.4 Kg) Hardener in pail can

SURFACE PREPARATION SUMMARY TABLE

Substrate	Surface Preparation	
	Minimum	Recommended
Carbon Steel	St 3 (ISO 8501-1)	Sa 2 ½ (ISO 8501-1)
Concrete	Clean, dry, no porosity and undamaged concrete. New concrete shall be cure at least 28 days	Clean, dry, no porosity and undamaged concrete. New concrete shall be cure at least 28 days
Coated Surfaces	Clean, dry, no porosity, and undamaged compatible coating	Clean, dry, no porosity, and undamaged compatible coating

APPLICATION

Ambient temperature shall be above 5°C and relative humidity shall be below 85%. Surface temperature shall be minimum of 3°C above dew point. Adequate ventilation shall be provided in confined spaces to ensure proper drying

Mixing	This material is a two component coating, and very fast cure. Do not mix Part A & Part B directly. Always use recommended heated plural spray equipment with separated Part A and Part B 1). Stir Base (Part B) with power agitator 2). Put Part A and Part B separately according equipment recommendation.	
Heated Plural Spray	Recommended	The transfer pump of at least 2:1 ratio Pressure > 2000 Psi (13.78 Mpa) Pre heated Temperature : 60 ± 5°C minimum for 10 minutes
Thinner	No Thinning	No Thinning

Over coating interval for DFT 1000 micron				
Over-coating with	Interval	10°C	20°C	30°C
Polyurethan, Polyaspartic coating	Minimum	12 hours	12 hours	12 hours
	Maximum	48 hours	48 hours	48 hours
>48 hours, need wipe Kansai SPUA washing thinner				

Curing time DFT to 1000 micron			
Substrate temperature	Dry to touch	Dry to handle	Full cure
10°C	60 second	4 hours	7 days
20°C	45 second	3 hours	7 days
30°C	30 second	2 hours	7 days

SAFETY PRECAUTIONS

For paint and recommended thinners, see safety sheet and relevant material safety data sheet This is a solvent borne paint and care should be taken to avoid inhalation of spray mist of vapor as well as contact between the wet paint and exposed skin or eyes

- Avoid at all times inhalation or aerosol spray-mist
- Harmful by inhalation and in contact with skin
- Highly flammable liquid and vapor
- Harmful to aquatic organism, may cause long-term adverse effects in the aquatic environment

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

DISCLAIMER

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