

PRODUCT NAME :	KANSAI SURESEAL 680 PU
DESCRIPTION :	<i>KANSAI SURESEAL 680 PU is a solvent free, two-component hybrid polyurethane coating. It is a spray applied high reactivity coating that provides an elastic yet tear resistant dry film for applications subjected to extreme wear and tear, strong impact and chemical exposure.</i>
RECOMMENDED USE :	<p><i>KANSAI SURESEAL 680 PU is suitable for indoor and outdoor applications inclusive and not limited to the following:</i></p> <ul style="list-style-type: none"><i>• Floor coating</i><i>• Hard coat for extruded polystyrene board</i><i>• Potable water tank lining</i><i>• Anti-corrosion coating for buried and submarine steel pipes</i><i>• Sewage treatment plants</i><i>• Secondary Containment for chemical tanks</i><i>• Bridge deck</i><i>• Waste water tanks</i><i>• Waterproofing</i><i>• Water theme park</i>
PERFORMANCE :	<ul style="list-style-type: none"><i>• Seamless</i><i>• Excellent resistance against UV and weathering</i><i>• Resistance to temperature from -40°C to +110°C</i><i>• Attractive - provides a very smooth and aesthetic surface in a wide range of colours.</i><i>• Hard wearing - exhibits excellent abrasion resistance</i><i>• Elastic- bridge cracks on concrete surface.</i><i>• Non-skid – excellent grip.</i><i>• Chemical resistance - very good resistance towards many industrial chemicals.</i><i>• Resistance against hydrolysis and microbial attack</i><i>• Sound Insulation – dampen vibration and reduced noise</i><i>• Excellent vapour barrier</i><i>• Not sensitive towards humidity and temperature during application.</i>

<i>PHYSICAL PROPERTIES</i>	
<i>VOLUME SOLIDS</i>	100%
<i>NO. OF COATS</i>	One or two
<i>RECOMMENDED</i>	
<i>MIXING RATIO</i>	1 Part A to 1 Part B by volume
<i>RECOMMENDED THICKNESS</i>	1.0 to 3.0 mm thick
<i>THEORETICAL COVERAGE</i>	1 m ² /litre @ 1.0 mm
<i>DRYING TIME</i>	Tack free time : 30 seconds Full Cure : 2 days
<i>PACKING SIZE</i>	Part A – 20 L Part B – 20 L
<i>MECHANICAL PROPERTIES</i>	
	Tensile strength (ASTM D412) : 16.5 N/mm ²
	Elongation (ASTM D412) : 500%
	Tear Strength (Die C) : 86 N/mm
	Hardness (ASTM D2240) : 95 Shore A
	Vapour Transmission : 0.06/g/m ² /day
	Abrasion resistance : 0.02 g/1000 cycles
	Taber Abrader (1000 g/CS10)
	Water resistance : Not permeable
	Temperature Resistant : 110°C
<i>SURFACE PREPARATION</i>	
	Concrete surface should be clean and free from oil, grease and other contaminants. New concrete shall be allowed to cure for at least 28 days before application of primer. The ideal mode of surface preparation for concrete is through abrasive blasting.
	Steel surface shall be free from oil and grease. The surface to be coated shall be dry abrasive blasted to Sa2.5 in accordance with ISO 8501-1.
<i>PRIMER</i>	
	Epoxy primers are recommended for the system, depends on the type and condition of the substrate. For wet substrates, KANSAI SURESEAL 1208 UWE is highly recommended. For dry surfaces, KANSAI PLC 328 EP, KANSAI PLC 118 ST and KANSAI SURESEAL PS 38 are suitable primers.

APPLICATION

This material is designed for application with heated, plural component airless spray equipment with impingement spray gun. The transfer pump of at least 2:1 ratio are required to prevent cavitation of the proportioning pump. Because of the relatively high viscosity and fast reactivity of this product, pressure of at least 2000 psi are required to ensure satisfactory mixing.

CLEANING

Clean all tools and equipment with KANSAI PLC CLEANER #72 immediately after use.

For further information on Product Data, please contact

Protective Coatings Sales Department

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DISCLAIMER :

The information in this sheet is provided to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond the manufacturer's control, it is the sole responsibility of the buyer to obtain confirmation from the manufacturer on the suitability of the product for the intended use. Therefore, the manufacturer can accept no liability for the performance of the product, or any loss or damage arising out of such use. The information detailed in this data sheet is subject to change without notice in light of experience and of normal product development.