

PRODUCT NAME :	KANSAI PLC 310 PU
DESCRIPTION :	<i>KANSAI PLC 310 PU is a two-component aliphatic polyester polyurethane coating available in gloss, satin and matt finishes and also in smooth and non-skid surfaces. This high gloss, tile-like, attractive topcoat provides a durable, hard wearing, non-yellowing, impermeable and easily sanitized surface. It has hard, smooth and non-porous surface that prevents bacterial and fungal growth on the surface. It is also resistant to water jet cleaning and steam cleaning. KANSAI PLC 310 PU meets requirements under DIN 4102 and BS 476 to be classed under non-combustible building material.</i>
RECOMMENDED USE :	<i>KANSAI PLC 310 PU is specially designed for interior and exterior applications where an extremely clean and hygienic topcoat is required. KANSAI PLC 310 PU is suitable for metal, concrete and timber surface. A layer of KANSAI PLC 310 PU over other urethane topcoats will not only enhance the protective properties of the coating but also exhibit a high gloss tile-like finish. KANSAI PLC 310 PU is also recommended as an anti graffiti coating in public areas for its resistance against inks and solvents.</i>
PERFORMANCE :	<ul style="list-style-type: none"> • <i>Attractive - exhibit tile-like finish.</i> • <i>Hard wearing - very high abrasion resistant surface.</i> • <i>Gloss - High gloss and excellent gloss retention.</i> • <i>Steam cleaning - suitable for areas require steam cleaning.</i> • <i>Hygienic – No fungal and bacterial growth on surface.</i> • <i>Available in clear and pigmented versions.</i> • <i>Anti-skid - Meet safety requirements for wet areas.</i> • <i>Non-combustible and minimum flame spread under fire.</i> • <i>Anti-graffiti – Graffiti caused by paint and marker can be removed easily with solvent wipe.</i>
PHYSICAL PROPERTIES	
<i>Color</i>	<i>Clear and wide range of colors</i>
<i>Finish</i>	<i>Gloss, Satin or Matt</i>
<i>Volume Solids</i>	<i>50 %</i>
<i>Recommended Thickness</i>	<i>50 microns DFT , 100 microns WFT per coat</i>
<i>Theoretical Coverage</i>	<i>10.0 m²/liter @ 50 microns DFT</i>
<i>No. of Components</i>	<i>Two</i>
<i>Drying Time</i>	<i>Touch dry 4 to 6 hours, Re-coat 24 hours</i>
<i>Packing Size</i>	<i>5 Liters : Part A – 3.75 liters</i> <i>Part B – 1.25 liters</i> <i>20 Liters: Part A – 15 liters</i> <i>Part B – 5 liters</i>

Pot life	4 hours																		
Temperature resistance	150°C for dry service																		
CHEMICAL RESISTANCE GUIDE	<table border="1"> <thead> <tr> <th>Exposure</th> <th>Splash & Spillage</th> <th>Fumes</th> </tr> </thead> <tbody> <tr> <td>Acids</td> <td>Very Good</td> <td>Excellent</td> </tr> <tr> <td>Alkali</td> <td>Very Good</td> <td>Excellent</td> </tr> <tr> <td>Solvents</td> <td>Very Good</td> <td>Very Good</td> </tr> <tr> <td>Salt water</td> <td>Excellent</td> <td>Excellent</td> </tr> <tr> <td>Water</td> <td>Excellent</td> <td>Excellent</td> </tr> </tbody> </table>	Exposure	Splash & Spillage	Fumes	Acids	Very Good	Excellent	Alkali	Very Good	Excellent	Solvents	Very Good	Very Good	Salt water	Excellent	Excellent	Water	Excellent	Excellent
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SURFACE PREPARATION	The surface to be coated must be thoroughly cleaned and degreased to ensure that oil, grease and other surface contaminants are removed. The surface preparation method will vary for different types of surfaces, to get the right method for the job, consult KANSAI PLC Technical Division for more details.																		
APPLICATION DATA																			
PRIMERS & UNDERCOATS	KANSAI PLC 310 PU can be applied over epoxy and polyurethane primers and undercoats.																		
MIXING	Stir Part A thoroughly in the containers with power mixer, then pour Part B into Part A in the pre-weighed packing and continue to stir. Mix to a uniform consistency before thinning.																		
THINNING	Thin not more than 10% with KANSAI PLC Thinner #71 for workability																		
APPLICATION	KANSAI PLC 310 PU can be applied by rollers, brushes or spraying equipment. Make sure sufficient material is applied evenly to the entire surface to ensure maximum penetration. For application in enclosed area, provide sufficient ventilation to ensure proper drying of applied materials.																		
CURING	The rate of curing is dependent on temperature and other environmental conditions. Provide good ventilation immediately after application to ensure proper and speed curing.																		
CLEANING	Clean all application tool 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.