

<b>PRODUCT NAME :</b>	<b>KANSAI SURESEAL 2005 SF</b>
<b>DESCRIPTION :</b>	<i>KANSAI SURESEAL 2005 SF is a pigmented two component solvent-free pigmented epoxy binder. This low viscosity epoxy binder is formulated using liquid epoxy resin and high chemical resistant cycloaliphatic amine hardener. It is designed to be used for solvent free high build epoxy coating, textured coating, broadcast floor, self-smoothing epoxy topping and epoxy mortar screed. KANSAI SURESEAL 2005 SF is resistant to most industrial chemicals. It is also recommended for light to heavy vehicular traffic depending on the thickness and the type of aggregates used. A non-skid surface can be achieved by broadcasting the correct size of aggregates on the surface before the surface is hardened.</i>
<b>RECOMMENDED USE :</b>	<i>KANSAI SURESEAL 2005 SF has been designed for industrial and commercial floors to suite the individual taste and requirements of different industries. It is recommended for chemical plants, pharmaceutical facilities, food processing factories, clean rooms, laboratories, hospitals, showrooms, electronic and electrical factories, parking garage and other light to heavy duty manufacturing and warehousing facilities. KANSAI SURESEAL 2005 SF is also suitable as a binder for FRP lamination applications.</i>
<b>NOT RECOMMENDED FOR:</b>	<i>Not suitable for continuous immersion in solvents and strong acids</i>
<b>PERFORMANCE :</b>	<ul style="list-style-type: none"> <li>• <i>Universal application.</i></li> <li>• <i>Seamless - prevents ingress of chemicals into the substrate and prevents bacterial growth.</i></li> <li>• <i>Hard wearing - suitable for vehicular traffic.</i></li> <li>• <i>Hygienic - provide easy to clean dust free surface.</i></li> <li>• <i>Easy maintenance - facilitate house-keeping works and lower maintenance costs.</i></li> <li>• <i>Colour variety - available in wide range of colours to suit individual needs.</i></li> <li>• <i>Solvent Free - Low odour and environmental friendly.</i></li> </ul>
<b>PHYSICAL PROPERTIES</b>	
<b>VOLUME SOLIDS</b>	100%
<b>NO. OF COMPONENTS</b>	Two
<b>MIXING RATIO</b>	4 Part A to 1 Part B by weight
<b>PLOT LIFE</b>	30 minutes at 30°C
<b>PACKING SIZE</b>	5 kg :Part A – 4 kg Part B – 1 kg 20 kg : Part A – 16 kg Part B – 4 kg

<b>DRYING TIME</b>	<i>Initial cure : 24 hours</i> <i>Full traffic: 48 hours.</i> <i>Full cure : 7 days</i>	
<b>MECHANICAL PROPERTIES</b>	<i>Compressive Strength</i> : 88 N/mm <sup>2</sup> <i>Tensile Strength</i> : 50 N/mm <sup>2</sup> <i>Flexural Strength</i> : 55 N/mm <sup>2</sup> <i>Adhesion Strength</i> : > 3.5 N/mm <sup>2</sup> <i>Shore D Hardness</i> : 80 <i>Taber Abraser</i> : 0.034 gm/1000 cycles	
<b>CHEMICAL RESISTANCE GUIDE</b>	<b>EXPOSURE</b>	<b>SPLASH &amp; SPILLAGE</b>
	<i>Acids</i>	<i>Very Good</i>
	<i>Alkali</i>	<i>Excellent</i>
	<i>Solvents</i>	<i>Very Good</i>
	<i>Salts</i>	<i>Excellent</i>
	<i>Water</i>	<i>Excellent</i>
<b>SURFACE PREPARATION</b>	<i>Substrate should be clean and free from oil, grease and other contaminants. Concrete substrate shall have compressive strength of minimum 25 N/mm<sup>2</sup> and moisture content of maximum 4%. For concrete substrate with moisture content higher than 4%, a moisture barrier is recommended. New concrete shall be allowed to cure for at least 28 days before application. The ideal method of surface preparation is by captive blasting or mechanical scarifying in order to achieve the highest degree of adhesion between the resin and the concrete substrate.</i>	
<b>1. SOLVENT FREE COATING (0.6 mm)</b>	<i>1st Layer : 0.5 kg/m<sup>2</sup></i> <i>2nd Layer : 0.3 kg/m<sup>2</sup></i>  <b>Application</b> <i>Stir Part A thoroughly and add Part B in the right mixing ratio. Mixing shall be done with low speed power mixer until a homogeneous mixture is achieved. Application shall be carried out using short hair roller.</i>	
<b>2. BROADCAST FLOOR (3 to 4 mm)</b>	<i>1st Layer : 3.5 kg/m<sup>2</sup> ( A:B:C / 8:2:10 by weight ratio)</i> <i>Aggregates : 3.0 kg/m<sup>2</sup></i> <i>2nd Layer : 0.6 kg/m<sup>2</sup></i>	

*Application*

*Stir Part A thoroughly and add Part B in the right mixing ratio. Add in Part C slowly with continuous stirring. Mixing shall be done with low speed power mixer until a homogeneous mixture is achieved. Pour the entire mixture on the surface and spread evenly with a notched trowel. Roll with spiked roller to release entrapped bubbles. Broadcast in excess with quartz aggregates. As soon as the surface can withstand foot traffic, remove excess aggregates and light grind surface with mechanical sander. Clean surface with heavy duty vacuum cleaner and seal the surface with KANSAI SURESEAL 2005 SF binder using short hair roller.*

3. SELF-SMOOTHING  
FLOOR (2.0 mm)

*1st Layer : 0.3 kg/m<sup>2</sup> ( SURESEAL PS38 Primer )*

*2nd Layer : 2.5 kg/m<sup>2</sup> ( A:B / 4:1 by weight ratio)*

*Application*

*Primer - Stir Part A thoroughly and add Part B in the right mixing ratio. Mixing shall be done with low speed power mixer until a homogeneous mixture is achieved. Application shall be carried out using short hair roller. Allow to dry for 8 hours or until the surface can withstand foot traffic before applying the subsequent coat.*

*Topcoat –*

*Stir Part A thoroughly and add Part B in the right mixing ratio. Mixing shall be done with low speed power mixer until a homogeneous mixture is achieved. Remove bubbles by rolling with spike roller.*

4. EPOXY MORTAR  
SCREED (5.0 mm)

*1st Layer : 0.3 kg/m<sup>2</sup> ( SURESEAL PS38 Primer )*

*2nd Layer : 10 kg/m<sup>2</sup> ( A:B:C / 8:2:80 by weight ratio)*

*Application**Primer –*

*Stir Part A thoroughly and add Part B in the right mixing ratio. Mixing shall be done with low speed power mixer until a homogeneous mixture is achieved. Application shall be carried out using short hair roller. The mortar screed materials shall be laid while the primer is still tacky.*

*Screed –*

*Stir Part A thoroughly and add Part B in the right mixing ratio. Mix thoroughly with low speed mechanical mixer. Pour the entire content into a mortar mixer and mix in the Part C*

	<p><i>aggregates slowly and continue to mix until a homogeneous mix is achieved. Pour the mixed materials into a screed box and spread evenly in parallel bands onto the tacky primer surface. The mixed materials can be compacted by hand using steel trowel or by using power float machine with Teflon coated blades.</i></p>
<b>CLEANING</b>	<p><i>All tools and equipment shall be clean with KANSAI PLC Cleaner #72 immediately after using. Hardened epoxy resin can be removed by mechanical tools or using KANSAI PLC Paint Stripper.</i></p> <p><i>Equipment clean with KANSAI PLC Cleaner #72 immediately after use.</i></p>

For further information on Product Data, please contact

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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.*