

PRODUCT NAME :	KANSAI SUREFIX 220
DESCRIPTION :	KANSAI SUREFIX 220 is a neutral colored, 100% solids, two- component epoxy resin. It is suitable for concrete repair, grouting, filling and patching. KANSAI SUREFIX 220 is formulated with specially selected high strength epoxy resin-hardener system to achieve outstanding mechanical properties.
RECOMMENDED USE :	KANSAI SUREFIX 220 can be applied as it is or it can be filled with clean aggregates to be used as epoxy mortar. It is recommended for application in the grouting of bearings, manhole frames, starter bars, crane rails, machine base plates, settings in bolts, tie rods, bridge support, repairing and patching of honeycomb, damaged or spoiled concrete and protection of exposed steel reinforcement fixing and pointing of ceramic tiles for chemical resistance purposes.
PERFORMANCE :	<ul style="list-style-type: none"> • High compressive and tensile strength • Tough vibration-resistant material • Negligible shrinkage • Curing not affected by high humidity • Good chemical resistance
PHYSICAL PROPERTIES	
COLOUR	Natural Brown
NO. OF COMPONENTS	Two
MIXING RATIO	3 Part A to 1 Part B by weight
VOLUME SOLID	100 %
DRYING TIME	Setting Time : 4 to 6 hours Full Cure : 7 days
CONSISTENCY	Fluid paste
PACKING SIZE	4 kg (4 liters approx.) Part A – 3 kg Part B – 1 kg
MECHANICAL PROPERTIES	Resin Only Compressive Strength
	1 Day : 81 N/mm ²
	3 Days : 83 N/mm ²
	7 Days : 84 N/mm ²
	Adhesion Strength : 7.0 N/mm ² (cohesion in concrete)
	1 Part Resin & 3 Parts Aggregates (7 days)
	Compressive Strength : 105 N/mm ²
	Tensile Strength : 5.8 N/mm ²

<i>SURFACE PREPARATION</i>	<i>Substrate and other contact area must be clean, sound and free from oil, grease, loose particles or dust. Very smooth surfaces should be scarified to allow a good mechanical key and penetration.</i>
<i>FORMING</i>	<i>Due to the flowable property, forms should be sealed to prevent seepage. Apply wax or other release agent to prevent adhesion to grout.</i>
<i>MIXING</i>	<i>Thoroughly mix Part A and Part B with slow speed mixer till homogeneous. If necessary, slowly add up Part C while still mixing to obtain semi-pourable or stiff grout. The mixed mortar must be used up within the pot life of 30 minutes at temperature 20oC. Thus, do not over mixed to avoid wastage. It should be applied onto the well prepared surface whilst the primer is tacky</i>
<i>APPLICATION</i>	<i>Grouting under in-place equipment- poured blended KANSAI SUREFIX 220 into forms material will be smoothed by itself.</i>
<i>GROUTING NEW PADS</i>	<i>Pour mixed materials in one or more layers to achieve the required level.</i>
<i>STORAGE LIFE</i>	<i>12 months in original container stored in cool dry conditions not exceeding 25oC. High temperature storage reduce storage life of the material.</i>
<i>PACKAGING</i>	<i>KANSAI SUREFIX 220 is available in 3 litre of Part A, 1 litre of Part B and 12 kg of Part C Aggregates are available upon request.</i>
<i>HANDLING</i>	<i>Wear protective clothing, gloves and goggles. Do not take internally and avoid contact of uncured materials with skin. Clean hands and equipment immediately with soap and water. In case of contact with eyes, flush with plenty of clean water and consult a physician. Harmful if taken internally. Do not breathe fumes.</i>
<i>CLEANING</i>	<i>Excess materials shall be removed as quickly as possible with a coarse, damp cloth, gelled or semi-gelled materials can be removed by using KANSAI PLC Cleaner #72. If the epoxy has been cured removal can be done by heating with gas torch followed by wire brushing.</i>
<i>COVERAGE</i>	<i>Approximately 1 litre per m2 per mm thickness for resin only</i>

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.