

PRODUCT NAME :	KANSAI PLC 111 IOZ
DESCRIPTION :	<i>KANSAI PLC 111 IOZ is self-curing inorganic zinc primer. It consists of a zinc silicate base and pure zinc dust filler mixed prior to application. The pure zinc in the dry film protects the steel galvanically, eliminating sub-film corrosion.</i>
RECOMMENDED USE :	<i>KANSAI PLC 111 IOZ is used as a single coat protection for steel structures in weathering exposure. It is also used as a protective base coat for organic protective coating systems for severe services. Suitable for long term protection of storage tanks, chemical plants, paper mills, refineries, bridges, coastal and off-shore steel structures. Excellent for interior lining of storage tanks containing fuels and organic solvents.</i>
PERFORMANCE :	<ul style="list-style-type: none"> • <i>Excellent abrasion resistance.</i> • <i>Excellent solvent resistance.</i> • <i>Galvanic protection – Zinc scarifies itself to protect steel surface against corrosion.</i> • <i>Single coat protection – excellent corrosion protection in a single coat.</i> • <i>Can tolerate very high temperature.</i>
PHYSICAL PROPERTIES	
FINISH	<i>Matt</i>
COLOUR	<i>Grey</i>
VOLUME SOLIDS	<i>62 %</i>
PERCENTAGE OF ZINC IN A DRY FILM	<i>86 %</i>
NO. OF COMPONENTS	<i>Two</i>
RECOMMENDED THICKNESS	<i>50 to 75 µm DFT per coat</i>
THEORETICAL COVERAGE	<i>95 microns WFT per coat</i>
NO. OF COATS	<i>10.53 m²/litre @ 75 µm DFT</i>
RECOMMENDED DRYING TIME	<i>One</i>
POT LIFE	<i>Touch dry : 30 minutes</i>
PACKING SIZE	<i>Top-coat : 16 hours</i>
TEMPERATURE	<i>8 hours (varies with temperature)</i>
RESISTANCE (DRY)	<i>Part A : 3.76 litres</i>
	<i>Part B : 9 kg</i>
	<i>Continuous : 399°C</i>
	<i>Non-continuous : 427°C</i>

LIMITATIONS	<i>KANSAI PLC 111 IOZ is not recommended for immersion to acid or alkali without suitable topcoat.</i>																								
CHEMICAL RESISTANCE GUIDE	<table border="1"> <thead> <tr> <th>Exposure</th> <th>Immersion</th> <th>Splash& Spillage</th> <th>Mild Fumes</th> </tr> </thead> <tbody> <tr> <td><i>Acids</i></td> <td><i>NR</i></td> <td><i>Very Good</i></td> <td><i>Excellent</i></td> </tr> <tr> <td><i>Alkali</i></td> <td><i>NR</i></td> <td><i>Very Good</i></td> <td><i>Excellent</i></td> </tr> <tr> <td><i>Solvents</i></td> <td><i>Excellent</i></td> <td><i>Excellent</i></td> <td><i>Excellent</i></td> </tr> <tr> <td><i>Salt water</i></td> <td><i>NR</i></td> <td><i>Excellent</i></td> <td><i>Excellent</i></td> </tr> <tr> <td><i>Water</i></td> <td><i>NR</i></td> <td><i>Excellent</i></td> <td><i>Excellent</i></td> </tr> </tbody> </table>	Exposure	Immersion	Splash& Spillage	Mild Fumes	<i>Acids</i>	<i>NR</i>	<i>Very Good</i>	<i>Excellent</i>	<i>Alkali</i>	<i>NR</i>	<i>Very Good</i>	<i>Excellent</i>	<i>Solvents</i>	<i>Excellent</i>	<i>Excellent</i>	<i>Excellent</i>	<i>Salt water</i>	<i>NR</i>	<i>Excellent</i>	<i>Excellent</i>	<i>Water</i>	<i>NR</i>	<i>Excellent</i>	<i>Excellent</i>
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SURFACE PREPARATION	<i>Remove oil or grease from surface to be coated with clean rags soaked in KANSAI PLC Cleaner #72 in accordance with SSPC-SP1. Remove weld spatter, slag and oxide caused from welding. For immersion service, abrasive blast to White Metal Finish in accordance with SSPC-SP5 with 25 to 50 microns sharp pattern surface profile. For non-immersion service, abrasive blast to commercial finish in accordance with SSPC-SP6 with 25 to 50 microns sharp pattern anchor profile.</i>																								
MIXING	<i>Pre-mix Part A with power stirrer till homogeneous, sift in Zinc Filler Part B slowly with continuous agitation. Mix until the mixture is free from lumps</i>																								
THINNING	<i>Thin not more than 10% by volume with KANSAI PLC Thinner #715 only when necessary for workability.</i>																								
APPLICATION	<i>Do not apply when surface temperature is less than 3°C above the dew point. KANSAI PLC 111 IOZ can be applied using conventional or airless spraying equipment. Spray in parallel passes and overlaps 50% with each pass of the gun. Brush application is allowed for touch-up over small areas only.</i>																								
DRYING	<i>Excessive thickness can cause mud-cracking. To ensure proper paint film formation, always apply coating at recommended thickness.</i>																								
CLEANING	<i>Clean all application tools with KANSAI PLC Cleaner #72 immediately after use.</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.