

PRODUCT NAME :	KANSAI SURESEAL 1208 UWE
DESCRIPTION :	KANSAI SURESEAL 1208 UWE is specially design to suit underwater and high humid weather or condition application. It is a high-performance solvent free, two-pack epoxy mastic designed to provide corrosion resistance and abrasion protection in extreme service applications especially sea water immersion. This specially designed epoxy system is capable of application and curing underwater and form a tough protective barrier.
RECOMMENDED USE :	KANSAI SURESEAL 1208 UWE is designed to provide corrosion protection for metal and concrete structures in offshore marine and petrochemical services, splash zone, submerged area, sheet piles, underground and submarine pipes, waste water tanks, jetty piles, underground tanks and other structural steel that requires protection against corrosion in aggressive environment. It is most suitable for rehabilitation of corroded steel and concrete structures in tidal zone and below water line where conventional protective coatings are not applicable. It is an ideal maintenance coating for cold pipes with condensation.
PERFORMANCE :	• Durable - Tough and impermeable layer with excellent resistance against salt and water. • Zero VOC – Solvent free product • Suitable for cold sweating steel surfaces. • Chemical resistant - Good resistance against wide range of chemicals. • Under-water curing - capable of application and curing under water. • Adhesion - Excellent adhesion to dry and wet surfaces. • Low temperature curing (able to cure above 10°C immersion condition)
APPROVAL & CERTIFICATE	• Certified under PTS 15.20.03(2019) • Class 1 rating accordance to BS476 Part 7 fire rating • BS476 Part 6 Fire propagation index • Certified based on Malaysian Food Act 1983 (Act281) • BS EN 1542 concrete structure bond strength • ASTM E96 Water Vapor Transmission of Materials
PHYSICAL PROPERTIES	Gloss / Matte (Surface finish will be matte when coating is dry under wet or immerse condition)
FINISH COLOUR	Wide range of colours
Specific Gravity	1.45 kg/l
VOLUME SOLIDS	100 %
NO. OF COMPONENTS	Two
NO.OF COATS	2 or 3 coats.

MIXING RATIO 4 Part A to 1 Part B by weight

RECOMMENDED DFT 150 microns DFT per coat

THEORETICAL COVERAGE 3.83 m²/kg @ 150 microns DFT.

DRYING TIME (*)

Temperature (°C)	Drying condition	Touch Dry (hours)	Hard Dry (hours)	Overcoating Interval (hours)	Pot life (hours)
15	Atmospheric	12	24	12	6
	Immersion	18	36	16	
25	Atmospheric	7	8	7	4
	Immersion	12	18	12	
35	Atmospheric	4	5	4	2
	Immersion	7	12	7	

(*) Note: This product will cure at 0 – 15 °C, however the drying time will be longer than the standard.
Painting is not recommended when temperature is below 10°C.

PACKING SIZE

Part A : 4 kg

Part B : 1 kg

SHELF LIFE

Part A : 2 years

Part B : 1 year

CHEMICAL RESISTANCE
GUIDE

Exposure	Immersion	Splash (4 Days)	Fumes
Acids	NA	Excellent	Excellent*
Alkali	NA	Excellent	Excellent*
Solvents	NA	Excellent	Excellent*
Salt water	Excellent	Excellent	Excellent
Water	Excellent	Excellent	Excellent

NA: Not applicable

*Chemical resistance for fume is not recommended for continuously more than 2 hours

SURFACE PREPARATION

Remove oil and grease from surface to be painted with suitable degreaser prior to painting for surfaces above water.

Steel:

For maximum protection, Swedish Sa2.5 (dry/wet abrasive blasting) to remove surface contaminants and create surface profile about 50 to 75 microns.

For maintenance, minimum surface preparation shall not lower than Swedish St 3 (Power tool) to remove all loose surface and old coating.

Ultra-high pressure hydro jetting and Swedish St 2 is acceptable for maintenance of previously painted surfaces.

MIXING	Mix Part A thoroughly then add in Part B and continue to mix till homogeneous. Do not mix more materials than the quantity to be consumed within the pot life.
THINNING	Thinning is not allowed for underwater applications. For applications above water to overcome issue related to workability of spray equipment, not more than 10% by weight of KANSAI PLC Thinner # 72 is allowed.
APPLICATION	KANSAI SURESEAL 1208 UWE can be applied by brush, roller or spray above water and for underwater applications, brush or roller is recommended.
CLEANING	Clean all application tools 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.