JP CONSULTANCY & ENGINEERING SDN BHD (884518-A)
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JP CERAMIC - CORRO RESIST With Fiber

PRODUCT NAME:	***JP CERAMIC – CORRO RESIST***
DESCRIPTION:	*JP CERAMIC - CORRO RESIST is a two-pack Epoxy coating reinforced with carbon fibre, designed to provide maximum corrosion resistance against most aggressive chemicals in extreme service applications. The carbon fibre will form strong impermeable barriers, which further enhances the chemical resistance properties. It can be applied as a solvent-free coating / lining over surfaces for steel and concrete structures that is exposed to aggressive chemicals.*
RECOMMENDED USE:	***JP CERAMIC – CORRO RESIST** is designed to provide maximum corrosion protection against concentrated acids, solvents and other aggressive chemicals for pipe, tank, secondary, containment and any structure exposed to aggressive chemicals.*
PERFORMANCE:	• *Durable – Tough and impermeable layer with excellent resistance against wear and tear.* • *High build – can build up to 250 microns in one coat.* • *Chemical resistance - Excellent resistance against the most corrosive chemicals.* • *Adhesion – Excellent adhesion to most surfaces.* • *Environmentally friendly – Zero VOC.*
PHYSICAL PROPERTIES	
COLOUR	*LIGHT GREY*
VOLUME SOLIDS	*100 %*
NO. OF COMPONENTS	*Two*
MIXING RATIO	*4-part A to 1 Part B by weight*
RECOMMENDED	*250 to 500 microns DFT per coat*
THICKNESS	*500 microns WFT per coat*
THEORETICAL COVERAGE	*3.2 m²/kg @ 250 microns DFT*
NO. OF COATS	*One or Two*
RECOMMENDED	
POT LIFE	*15 minutes at 30°C (varies with temperature)*
PACKING SIZE	*Part A – 4 kg* *Part B – 1 kg*

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CHEMICAL RESISTANCE GUIDE

Exposure	***Immersion***	***Splash & Fumes***	***Spillage***
Acids	*Excellent*	*Excellent*	*Excellent*
Alkali	*Excellent*	*Excellent*	*Excellent*
Solvents	*Excellent*	*Excellent*	*Excellent*
Salt water	*Excellent*	*Excellent*	*Excellent*
Water	*Excellent*	*Excellent*	*Excellent*

SURFACE PREPARATION

STEEL:

Remove oil or grease from surface to be coated with clean rags soaked in Thinner in accordance with SSPC-SP1. For maximum protection, dry abrasive blast to a SSPC-SP10 near white metal finish with blast pot life about 50 to 75 microns.

CONCRETE:

Concrete shall be at least grade 25 and new concrete shall be cured for minimum 28 days. Surface tensile shall be 1.5 MPa in accordance with BS EN 1542. Surface to be coated shall be dry; smooth surfaces shall be roughened by grinding or abrasive blasting to a medium grit size sand paper pot life to ensure good adhesion.

MIXING

Mix Part A thoroughly then add in Part B and mix till homogeneous. Do not mix more materials than the quantity to be consumed within the pot life.

APPLICATION

The mixed materials shall be applied by brush, roller or airless spray. For spray application hold gun 8 to 10 inches from the surface and at a right angle to the surface. Make a 50% overlap with each pass of the gun. The coating can be applied by brush and roller but surface will be textured and variation in thickness.

TOP COAT

*To topcoat or re-coat **JP CERAMIC – CORRO RESIST**, sweep blasting is necessary to ensure good adhesion.*

CLEANING

Clean all tools and equipment with thinner immediately after use