Quick application guide

Resichem 501 CRSG

- High build solvent-free epoxy coating
- Tolerant of less than ideal surface preparation
- Capable of curing at temperatures as low as 5˚C

Cure Times

At 20°C (68°F) the product will have the following cure times:

Usable life	30 mins
Minimum overcoating	4 hrs
Maximum overcoating	36 hrs
Water/ sea water immersion	3 days
Chemical immersion	5 days

Coverage Rates

The mixed product will give the following coverage rates -

3.4ltrs (0.8 US gallon) -
13.6m² at 250 microns
146ft² at 10mil

16ltrs (4.2 US gallon)–
64m² at 250 microns
688ft² at 10mil

Colour

Base component –
Light Grey, Dark Grey, Red or Blue
Activator component – Amber

Over-coating times

Minimum - the material can be over-coated as soon as it is touch dry, approximately 4 hours at (20°C (68°F).
Maximum - the over-coating time should not exceed 36 hours.

Typical applications

Pipelines
Internal & external tank surfaces
Chemical containment and bund areas
Structural Steel
Sheet/ bearing piles
Chemical intake areas
Process equipment
Sumps

Technical specifications and characteristics

Mixing ratios	By weight	4 to 1
	By volume	2.4 to 1
Density	Base:	1.78
	Activator	1.04
	Mixed	1.56

Surface Preparation

Metallic Substrates – Mechanical abrasion

1. All oil and grease must be removed using an appropriate cleaner such as MEK.
2. Mechanically abrade using handheld grinders to ***ISO 8501/4 Standard ST3 (SSPC SP3 ST3)***.
3. Degrease and clean using MEK or similar type material.
4. All surfaces must be coated before gingering or oxidation occurs.

Metallic Substrates – Abrasive blast cleaning

1. All oil and grease must be removed using an appropriate cleaner such as MEK.
2. Abrasive blast clean to ***ISO 8501/4 Standard SA2.5 (SSPC SP10/ NACE 2)*** minimum blast profile of 75 microns (3mil) using an angular abrasive.
3. Degrease and clean using MEK or similar type material.
4. All surfaces must be coated before gingering or oxidation occurs.

Existing Concrete

1. Contaminated surfaces must be pressure washed.
2. Once dry, lightly blast clean or scarify do not expose the aggregate.
3. Clean all dust and debris from the surface and prime with Resichem 503 SPEP (low viscosity epoxy primer).
4. Apply 503 SPEP primer at 150 microns (6mil) WFT.
5. Leave to cure for 3 hours (20°C/68°F) before overcoating.

New Concrete

1. Allow new concrete to cure for a minimum of 21 days and treat to remove any surface laitance.
2. Check the moisture content of the concrete prior to coating (8% moisture content or below).
3. Lightly scarify the surface taking care not to expose the aggregate.
4. Clean all dust and debris from the surface and prime with Resichem 503 SPEP (low viscosity epoxy primer).
5. Apply 503 SPEP primer at 150 microns (6mil) WFT.
6. Leave to cure for 3 hours (20°C/68°F)

Mixing and Application

STEP 1
Ensure you have 1 x base unit, 1 x activator unit, 1 x spatula and slow speed drill and paddle mixer

STEP 2
Pour the entire contents of the activator container into the base container.

STEP 3
Mix thoroughly, taking to care To ensure any unmixed base component is scraped down from the edges of the container using a spatula. Continue mixing until a streak free, uniform material is achieved.

STEP 4
Apply to the correctly prepared substrate using a brush or medium pile roller to the required wet film thickness of 250 Microns (verified using wet film thickness gauge)

STEP 5
Allow to cure for minimum of 4 hours or until touch dry and then apply the 2nd coat.

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