Quick application guide

resimac Ltd.

Resichem 507 DWPU

- High build solvent-free polyurethane coating
- Flexible once cured
- Ideal for drinking water & chlorination agents

Cure Times

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

Usable life	20 mins
Minimum overcoating	6 hrs
Maximum overcoating	24 hrs
Water/ sea water immersion	3 days
Chemical immersion	5 days

Coverage Rates

The mixed product will give the following coverage rates -

1ltrs (0.2 US gallon)–
2.85m² at 350 microns
30ft² at 14mil
4ltrs (1.2 US gallon)–
11.4m² at 350 microns
122ft² at 14mil

Colour

Base component –
Light Grey or Blue
Activator component – Amber

Over-coating times

Minimum - the material can be over-coated as soon as it is touch dry, approximately 6 hours at (20°C (68°F).
Maximum - the over-coating time should not exceed 24 hours.

Typical applications

Drinking water tanks and structures
Pipelines
Internal & external tank surfaces
Chemical containment and bund areas
Structural Steel
Process equipment
Sumps

Technical specifications and characteristics

Mixing ratios	By weight	3.25 to 1
	By volume	3 to 1
Density	Base:	1.31
	Activator	1.22
	Mixed	1.29

Surface Preparation

Metallic Substrates – Mechanical abrasion

1. All oil and grease must be removed from the surface using an appropriate cleaner such as MEK.
2. All surfaces must be mechanically abraded using handheld grinders to ***ISO 8501/4 ST3 (SSPC SP3 ST3)***.
3. Once abraded, the surface must be degreased and cleaned 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 from the surface using an appropriate cleaner such as MEK.
2. All surfaces must be abrasive blasted to ***ISO 8501/4 Standard SA2.5 (SSPC SP10/ NACE 2)*** minimum blast profile of 75 microns (3mil) using an angular abrasive.
3. Once blast cleaned, the surface must be degreased and cleaned using MEK or similar type material.
4. All surfaces must be coated before gingering or oxidation occurs.

Existing Concrete

1. If the concrete surface is contaminated, pressure wash using clean water.
2. Once the concrete is dry, lightly abrasive blast or scarify
3. Clean all dust and debris from the surface and prime with Resichem 503 SPEP
4. Apply 503 SPEP at 150 microns (6mil) WFT, leave to cure for 3 hours (20°C/ 68°F)

New Concrete

1. Allow new concrete to cure for a minimum of 21 days
2. Check the moisture content of the concrete prior to coating (8% moisture 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 at 150 microns (6mil) WFT, leave to cure for 3 hours (20°C/ 68°F) before overcoating.

Mixing and Application

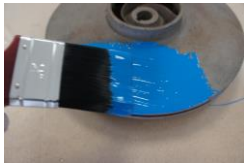
STEP 1
Ensure you have 1 x base unit, 1 x activator unit, 1 x spatula and slow speed drill and paddle mixer

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.

STEP 4
Before applying the material Check you have a streak free Mix and a uniform material

STEP 5
Apply the coating using a brush Or medium pile roller at 350 microns WFT per coat. Apply 2 x coats minimum.



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