

## Resichem 513 AREN

- High build solvent-free epoxy novolac coating
- Contains hardened ceramic particles
- Excellent abrasion resistance to acidic slurries

### Cure Times

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

<b>Usable life</b>	45 mins
<b>Minimum overcoating</b>	8 hrs
<b>Maximum overcoating</b>	24 hrs
<b>Water/ sea water immersion</b>	4 days
<b>Chemical immersion</b>	7 days

### Coverage Rates

The mixed product will give the following coverage rates -  
4ltr (1.05 US gallon)–  
8m<sup>2</sup> at 500 microns  
85ft<sup>2</sup> at 20mil

16ltrs (4.2 US gallon)–  
32m<sup>2</sup> at 500 microns  
343ft<sup>2</sup> at 20mil

### Colour

Base component –  
Dark grey or Red  
Activator component – Amber

### Over-coating times

Minimum - the material can be over-coated as soon as it is touch dry, approximately 8 hours at (20°C (68°F)).  
Maximum - the over-coating time should not exceed 24 hours.

### Typical applications

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

### Technical specifications and characteristics

<b>Mixing ratios</b>	By weight	5 to 1
	By volume	3.5 to 1
<b>Density</b>	Base:	1.55
	Activator	1.05
	Mixed	1.43

### Surface Preparation

#### Metallic Substrates

1. All oil and grease must be removed use an appropriate cleaner such as MEK.
2. All surfaces must be abrasive blast cleaned to **ISO 8501/4 Standard SA2.5 (SSPC SP10/ NACE 2) 75** micron (3mil) profile.
3. Use an angular abrasive.
4. Degrease and clean using MEK or similar type material.
5. 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) 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. Continue mixing until a streak free, uniform material is achieved.



#### STEP 4

Once the material is fully mixed Pour into a roller tray or clean Receptacle, and apply the Product to the substrate using a paintbrush or medium pile roller at 500 microns WFT. Allow to cure until touch dry (8hrs at 20°C/68°F) and apply a 2<sup>nd</sup> coat of material at 500 microns WFT.

