

## Resichem 503 SPEP

- Solvent free low viscosity epoxy primer
- Penetrating primer for concrete surfaces
- 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:

<b>Usable life</b>	25 mins
<b>Minimum overcoating</b>	3 hrs
<b>Maximum overcoating</b>	36 hrs

### Coverage Rates

The mixed product will give the following coverage rates -

4ltrs (1.1 US gallon) –	26.6m <sup>2</sup> at 150 microns
286ft <sup>2</sup> at 6mil	
18ltrs (4.75 US gallon) –	119m <sup>2</sup> at 150 microns
119m <sup>2</sup> at 150 microns	
1280ft <sup>2</sup> at 6mil	

### Colour

Base component – Pale Straw  
Activator component – Amber

### Over-coating times

Minimum - the material can be over-coated as soon as it is touch dry, approximately 3 hours at (20°C (68°F)).

Maximum - the over-coating time should not exceed 36 hours.

### Typical applications

Penetrating primer for concrete and cementitious surfaces such as, internal & external tanks surfaces, floors, structural concrete

### Technical specifications and characteristics

<b>Mixing ratios</b>	By weight	2.24 to 1
	By volume	2 to 1
<b>Density</b>	Base:	1.12
	Activator	1.00
	Mixed	1.08

### Surface Preparation

#### 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 taking care not to expose the aggregate.
3. Clean all dust and debris from the surface

#### 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

### 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 150 Microns (verified using wet film thickness gauge)



#### STEP 5

Allow to cure for minimum of 3 hours. The primer should Have a uniform semi-gloss Finish, any dull patches are Caused by excessive porosity. Any dull patches must be over Coated with a 2<sup>nd</sup> coat at 150 microns WFT.

