

Quick application guide

RESICHEM 590 EPOXY FC

- Hard wearing floor coating with a gloss finish
- Solvent free epoxy
- Apply by brush or roller

Cure Times

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

Usable life	45 minutes
Minimum overcoating time	16 hours
Max overcoating time	48 hours
Chemical contact	7 days

Coverage Rates

16ltr/ 25kg (4.22 US gallon) of fully mixed product will give the following coverage rates –
72m² at 250 microns
772ft² at 10mil

Please note that the coverage rates quoted are theoretical and do not take into consideration the profile or condition of the surface being repaired.

Colour

Base component –

Light grey, dark grey, black, red, blue, green.

Activator component –

Amber

Mixed material –

Light grey, dark grey, black, red, blue, green.

Typical Applications

Factory floors
Warehouse floors
Food preparation areas
Brewery floors
Laboratories
Ramps
Walkways

Technical specifications and characteristics

Mixing ratios	By weight	2.5:1
	By volume	1.74:1
Density	Base	1.44
	Activator	1.05
	Mixed	1.22
Volumetric capacity	Metric	0.82cc/kg

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 clean or scarify taking care not to expose the aggregate.

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.

Prime all surfaces

1. Ensure all concrete surfaces are primed prior to applying 590 Epoxy FC.
2. Apply Resichem 503 SPEP low viscosity epoxy primer to the surface using brush or roller.
3. Apply 503 SPEP at a wet film thickness of 150 microns (6mil).
4. Leave to cure for a minimum 3 hours at 20°C (68°F).

Over-coating times

Minimum –	16 hours (or as soon as can be walked upon)
Maximum –	48 hours

Mixing and Application

STEP 1

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



STEP 2

Open the activator tin and pour Contents into the base unit.



STEP 3

Mix the two components using the drill and paddle.



STEP 4

To ensure the product is fully mixed check the material for any colour difference. The mixed material should be a consistent mix.



STEP 5

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. Broadcast and back roll aggregate into the surface as required.



STEP 6

Allow to cure (16 hours minimum) and apply 2nd coat if required including optional aggregate broadcast and back roll.