

Quick application guide

521 GP EPOXY PRIMER

Multi-purpose primer
Apply to a wide range of construction surfaces
Water based epoxy

Cure Times

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

Usable life	90 minutes
Touch dry	4 hours
Minimum overcoating time	4 hours (water based) 16 hours (solvent free)
Maximum overcoating	48 hours

Colour

Mixed material –

white

Base component –

White

Activator component –

Amber

Coverage Rates

5ltrs (1.2 US gallon) of fully mixed product will give the following coverage rates –

50m² at 100 microns
536ft² at 4mil

Typical Applications

Factory Walls
Police cells
Hospital Walls
Laboratories
External surfaces
Warehouses
Food factories
Offices

Technical specifications and characteristics

Mixing Ratio

By weight:	2.5:1
By volume:	3:2

Density

Base:	1.72
Activator:	1.02
Mixed:	1.44
Solids content	45%

Surface Preparation

Existing Concrete

If the concrete surface is contaminated, pressure wash using clean water.
Once the concrete is dry, lightly abrade or scarify taking care not to expose the aggregate.
Clean all dust and debris from the surface.
The surface must be sealed using Resichem 522 Acrylic Sealer. Apply 522 Acrylic sealer using a short pile roller. Apply the sealer at 100 microns (4mil) WFT. Once cured the surface of the concrete must have a uniform finish, any dull patches need to be overcoated.

New Concrete

Allow new concrete to cure for a minimum of 21 days and treat to remove any surface laitance.
Check the moisture content of the concrete prior to coating (8% moisture content or below).
Lightly scarify the surface taking care not to expose the aggregate.
Clean all dust and debris from the surface.
The surface must be sealed using Resichem 522 Acrylic Sealer. Apply 522 Acrylic sealer using a short pile roller. Apply the sealer at 100 microns (4mil) WFT. Once cured the surface of the concrete must have a uniform finish, any dull patches need to be overcoated.

Plasterboard

Ensure the plasterboard surface is dry and free from contaminants
The surface must be sealed using Resichem 522 Acrylic Sealer. Apply 522 Acrylic sealer using a short pile roller. Apply the sealer at 100 microns (4mil) WFT. Once cured the sealed surface must have a uniform finish, any dull patches need to be overcoated.

Glazed tiles

Degrease the tiles and grouting to ensure the surface is free from any contamination such as grease or fats.
Abrade the surface ensuring that a good profile is created on the surface of the tile.
Degrease the surface with hot water and detergents and leave to dry.

Over-coating times

Minimum –

Water based - 4 hours (or as soon as touch dry)

Solvent free – 16 hours

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. Brushes and short pile or rollers



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 short pile roller.

