

RESICHEM 520 WALL COAT UV – water based polyurethane wall coating

Resichem 520 Wall Coating UV is a high performance UV stable water based coating designed for use on external and internal wall surfaces. The coating is based on a blend of water-borne acrylic and urethane polymers in combination with colour stable chemical resistant pigments to provide a coating which offers outstanding weather, chemical and abrasion resistance together with excellent gloss, graffiti resistance and colour stability.

- UV stable
- Graffiti resistant
- Flexible and hard wearing

Typical applications

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

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 primed with Resichem 521 GP epoxy primer, applied at 100 microns (4mil) WFT.

Existing Concrete

1. If the concrete surface is contaminated, pressure wash using clean water.
2. Once the concrete is dry, lightly abrade or scarify taking care not to expose the aggregate.
3. Clean all dust and debris from the surface.
4. The surface must be sealed using Resichem 522 Acrylic Sealer. Apply 522 Acrylic sealer using a short pile roller.
5. Apply the sealer at 50-75 microns (2-3mil) WFT. Once cured the surface of the concrete must have a uniform finish, any dull patches need to be overcoated.
6. Once the sealer has cured, approximately 2 hours at 20°C (68°F), prime all surfaces with 2 coats of Resichem 521 GP epoxy primer.
7. 521 GP epoxy primer must be applied using medium pile rollers at a wet film thickness of 100 microns (4mil).

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.
5. The surface must be sealed using Resichem 522 Acrylic Sealer. Apply 522 Acrylic sealer using a short pile roller.
6. Apply the sealer at 100 microns (4mils) WFT. Once cured the surface of the concrete must have a uniform finish, any dull patches need to be overcoated.
7. Once the sealer has cured, approximately 2 hours at 20°C (68°F), prime all surfaces with 2 coats of Resichem 521 GP epoxy primer.
8. 521 GP epoxy primer must be applied using medium pile rollers at a wet film thickness of 100 microns (4mil).

Plasterboard

1. Ensure the plasterboard surface is dry and free from contaminants
2. The surface must be sealed using Resichem 522 Acrylic Sealer. Apply 522 Acrylic sealer using a short pile roller.
3. Apply the sealer at 50-75 microns (2-3mil) WFT. Once cured the sealed surface must have a uniform finish, any dull patches need to be overcoated.
4. Once the sealer has cured, approximately 2 hours at 20°C (68°F), prime all surfaces with 2 coats of Resichem 521 GP epoxy primer.
5. 521 GP epoxy primer must be applied using medium pile rollers at a wet film thickness of 100 microns (4mil).

