523 Wall Coat FP

Flexible, water based acrylic coating for external walls, offering UV stability and long term weatherproofing in a high build single component system.

- Water based and single component for easy application

- Flexible, high build acrylic membrane

- UV stable for long term exterior performance

- Weatherproof finish with anti-carbonation protection

2025 Product Sheet

Typical Applications

523 Wall Coat FP is a water based, single component acrylic coating formulated for long term protection of external surfaces. It delivers a flexible, seamless membrane with excellent UV stability and weather resistance, making it ideal for exposed concrete, plaster, brick, and asbestos cement.

- External concrete surfaces
- Asbestos cement sheeting
- Brick and plaster facades

Characteristics

Appearance		**Density**	
Single component	Light grey, white	Mixed	1.25

Solids Content

60%

Storage Life

2 years if unopened and stored in normal dry conditions, 15-30ºC (59-86ºF)

Volume Capacity

800cc/kg

Coverage

Sag Resistance

Nil at 500 microns

20ltrs (5.3 gallons) of fully mixed product will give the following coverage rates

66m² at 300 microns   715ft² at 12mil

Cure times

Touch Dry		**Min overcoating time**	
10ºC/50ºF	2-4 hours	10ºC/50ºF	6-8 hours
20ºC/68ºF	1-2 hours	20ºC/68ºF	3-4 hours
30ºC/86ºF	30-60 mins	30ºC/86ºF	1.5-2 hour
40ºC/104ºF	15-30 mins	40ºC/104ºF	45-60 mins

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

Mechanical Properties

Mould Resistance

Excellent

Bacteria Resistance

Excellent

Elongation

Tested to ASTM D412 120%

Tensile Strength

Tested to ASTM D412

56kg/cm² (800psi)

Direct Pull Adhesion

Tested to ASTM D4541

28kg/cm² (400psi)

Water Vapour Permeability

Tested to ASTM D1653

2×10^4 perm.cm

Humidity Resistance

Tested to ASTM BS3900

5000 hours unaffected

Heat Resistance

Resistant to dry heat up to 120°C (248°F) dependent on load.

Details & Legal

Quality

All Resimac Products are supplied under the scope of the company's fully documented quality system.

Warranty

Resimac warrants that the performance of the product supplied will conform to the typical descriptions quoted within this specification provided material is stored correctly and used according to the procedures detailed in this document.

Pack Sizes

This product is available in the following pack sizes:

20ltrs (5.3 US gallons)

Application Guide

A. Surface Preparation

Cementitious Substrates:

1   All surfaces must be clean, dry and free from contamination.

2   Any areas of moss or fungal growth must be treated with a fungicidal wash.

3   Any surfaces contaminated with grease must be cleaned with a degreaser.

PLEASE NOTE: We would recommend that any porous surfaces be coated with 522 Acrylic Sealer prior to application of 523 Wall Coat FP.

Porous surfaces:

1   Apply 522 Acrylic Sealer liberally to the cleaned surface using a short pile roller.

2   Cure for a minimum of 2 hours at 20ºC (68ºF).

B. Product Preparation

Prior to mixing, please ensure the following:

1   The material is at a temperature between 15-25ºC (60-77ºF).

2   The ambient & surface temperature is above 10ºC (50ºF).

3   The ambient & surface temperatures are not less than 3ºC (6ºF) above the dew point.

Health & Safety

Please ensure good practice is observed at all times during the mixing and application of this product. Protective gloves and other recommended personal protective equipment must be worn during the mixing and application of this product.

Before mixing and applying the material, please ensure you have read and fully understood all information.

C. Mixing

Mix the complete unit of material 20ltrs:

1. 523 Wall Coat FP is a single component material.

2. Agitate the product using an electric paddle mixer to ensure you have a consistent mix of acrylic emulsion.

D. Application

Spray applications:

1. Spray application should be carried out by airless spray using a 30:1 ratio pump.

2. Spray pressure of 2000psi and a tip size of 15-21 thou should be used.

3. Apply the 1st coat of mixed product to all surfaces at 300 microns (12mil) wet film thickness.

4. Once the 1st coat of material has cured sufficiently, approximately 3 hours at 20°C (68°F), apply a 2nd coat of material to all surfaces at 300 microns (12mil) wet film thickness.

Brush or roller applications:

1. Apply the 1st coat of material using a medium pile roller at a wet film thickness of 300 microns (12mil).

2. Allow the coated surface to cure for a minimum of 3 hours 20°C (68°F).

3. Apply the 2nd coat of material using medium pile roller at a wet film thickness of 300 microns (12mil).

Quick Application Guide

Brush or roller applications:

Step 1

Ensure you have:

1 x 20ltr unit

1 x spatula

1 x drill & paddle mixer

1 x medium pile roller

1 x paint brush

Step 2

Open container and mix the contents until uniform and streak free.

Step 3

Apply to the surface using brushes rollers at 300 microns wet film thickness.

Step 4

Allow to cure for 4 hrs and repeat with the 2nd coat.

Quick Application Guide

Spray applications:

Step 1

Ensure you have:
1 x 20ltr unit
1 x spatula
1 x drill & paddle mixer
1 x spray equipment

Step 2

Open container and mix the contents until uniform and streak free.

Step 3

The product can be sprayed via a 60:1 ratio airless spray unit. 2,000-3,00 psi and a 17-23 Thou tip size.

Step 4

The spray unit should be cleaned down with water.

About Resimac

A UK based manufacturer of epoxy and polyurethane coatings and repair materials.

From our head office in the heart of rural North Yorkshire, England we supply our range of Epoxy, Polyurethane & Silicone coatings and repair materials to the Oil & Gas, Petrochemical, Marine, Paper & Pulp, Water, Power Generation & Chemical Industries.

Legal Notice

The data contained within this Product Specification is furnished for information only and is believed to be reliable at the time of issue. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the responsibility of the customer to determine the products suitability for use. Resimac accepts no liability arising out of the use of this information or the product described herein.

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