

# TECHNICAL DATA SHEET

## UPS 784 WC-AC WALL COAT – ANTI-CARBONATION



**UPS 784 WC-AC Wall Coat Anti-Carbonation** is a single component water based acrylic coating designed to give a flexible, UV stable, weatherproof finish to external surfaces. The product is supplied ready to use and can be applied to concrete, palter, brick & asbestos cement.

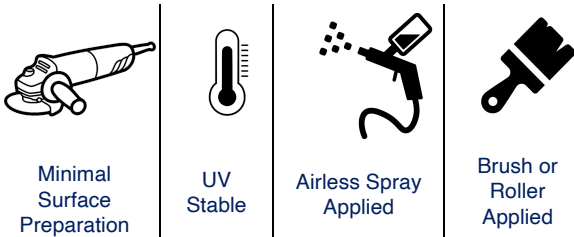
### Product Information

#### Product Features

- UV stable membrane.
- Seamless & flexible waterproofing system.
- Single component.

#### Product Applications

External surfaces such as concrete, brisk, plaster & asbestos cement.



#### Surface Preparation

1. All surfaces must be clean, dry and free from contamination
2. Any areas of moss or fungal growth must be treated with fungicidal wash.
3. Any surfaces contaminated with grease must be cleaned with a degreaser.

#### Porous Surfaces:

We would recommend that any porous surfaces be coated with UPS 913 S Acrylic Sealer prior to application of UPS 784 WC-AC.

1. Apply UPS 913 Acrylic Sealer liberally to the cleaned surface using a short pile roller.
2. Leave to cure for a minimum of 2 hours at 20°C (68°F).

#### Mixing

This product is a single component material, however, please ensure the following;

1. The material is at temperature between 15-25°C (60-77°F).
2. The ambient & surface temperature is above 10°C (50°F).
3. The ambient & surface temperatures are not less than 3°C (37.4°F) above the dew point.

Once these 3 checks have been met, please proceed with mixing the product.

1. UPS 784 WC-AC is a single component material.
2. Agitate the product using an electric paddle mixer to ensure you have a consistent mix of acrylic emulsion.

#### Application

Brush or roller applications;

1. Apply the 1<sup>st</sup> 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 2<sup>nd</sup> coat of material using medium pile roller at a wet film thickness of 300 microns (12mil).

#### Spray Applications

1. Spray application should be carried out by airless spray using 1 30:1 ratio pump.
2. Spray pressure of 2000psi and a tip size of 15-21 thou should be used.
3. Apply the 1<sup>st</sup> coat of mixed product to all surfaces at 300 microns (12mil) wet film thickness.
4. Once the 1<sup>st</sup> coat of material has cured sufficiently, approximately 3 hours at 20°C (68°F), apply a 2<sup>nd</sup> coat of material to all surfaces at 300 microns (12mil) wet film thickness.

### Technical Data & Performance

#### Coverage Rates

<b>20 LTR (5.3 US Gallon) of fully mixed material will give the following coverage rates -</b>	
66.6m <sup>2</sup> at 300 microns	715ft <sup>2</sup> at 12mil
<i>Please note that the coverage rates quoted are theoretical and do not take into consideration the profile or condition of the surface being repaired.</i>	

#### Drying & Cure Times

At 20°C (68°F) allow the applied materials to harden for the times shown below before subjecting them to the conditions indicated. These times will be extended at lower temperatures and reduced at higher temperatures.

<b>Touch Dry</b>	1-2 hours
<b>Minimum overcoating time</b>	3-4 hours
<b>Maximum overcoating time</b>	indefinite

#### Appearance

<b>Material Colour</b>	White acrylic emulsion
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#### Available Colours

White

#### Over Coating Times

<b>Minimum</b>	The applied material can be over coated as soon as it is touch dry (approx. 3-4 hrs)
<b>Maximum</b>	Indefinite

*Where the maximum over coating time is exceeded, the material should be allowed to harden before being abraded or flash blasted to remove surface contamination.*

#### Density

<b>Mixed</b>	1.25
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#### Solids Content

60%

#### Slump Resistance

Nil at 350 microns

#### Touch Dry

<b>10°C (50°F)</b>	2-4 hours
<b>20°C (68°F)</b>	1-2 hours
<b>30°C (86°F)</b>	30-60 minutes
<b>40°C (104°F)</b>	15-30 minutes

# TECHNICAL DATA SHEET

## UPS 784 WC-AC WALL COAT – ANTI-CARBONATION

### Pack Sizes

20LTR (5.3 US Gallon)

### Shelf Life

2 years if unopened and store in normal dry conditions  
(15-30°C / 60-86°F)

### Mechanical Properties

<b>Direct Pull off Adhesion</b> ASTM D4541	28kg/cm <sup>2</sup> (400 psi)
<b>Tensile Strength</b> ASTM D412	56kg/cm <sup>2</sup> (800 psi)
<b>Elongation</b> ASTM D412	120%
<b>Water Vapour Permeability</b> ASTM D1653	2 x 10 <sup>4</sup> perm.cm
<b>Humidity Resistance</b> ASTM BS3900	5000 hours unaffected
<b>Mould Resistance</b>	Excellent
<b>Bacteria Resistance</b>	Excellent

### Heat Resistance

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

### Global Availability

UPS 784 WC-AC Wall Coat Anti-Carbonation is available from a network of Global Distributors for prompt delivery. For further details and the location of your local distributor, please contact Unique Polymer Systems on:  
+44(0) 1531 636300 | sales@uniquepolymersystems.com

### Technical Service

Complete technical assistance is available. Please contact Unique Polymer Systems with your requirements:  
+44(0) 1531 636300 | sales@uniquepolymersystems.com

**The products that we supply are for professional use only, it is your responsibility to read the technical data sheets before you place an order and prior to application of the product.**

**Quality:** All Unique Polymer Systems Products are supplied under the scopes of the company's fully documented quality system.

**Warranty:** Unique Polymer Systems warrants that the performance of the product supplied will confirm to the typical descriptions quoted within this Technical Data Sheet provided the material is stored correctly and used according to the procedures detailed in the Technical Data Sheet for the material.

**Health & Safety:** Please ensure good practice is observed at all times during the mixing and application of this product. Protective gloves must be worn during the mixing and application of this product. Before mixing and applying the material please ensure you have read the fully detailed Material Safety Data Sheet.

**Legal Notice:** The data contained within this Technical Data Sheet 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. Unique Polymer Systems accepts no liability arising out of the use of this information or the product described herein.



**USED ALL OVER  
THE WORLD**