TECHNICAL DATA SHEET
UPS 778 AWC ACRYLIC WATERPROOF COATING

UNIQUE POLYMER SYSTEMS
INNOVATE | REBUILD | ENHANCE

UPS 778 AWC Acrylic Waterproof Coating is a single component water based acrylic waterproof coating. This product has been developed for use in waterproofing that would benefit from long term UV stability.

Product Information

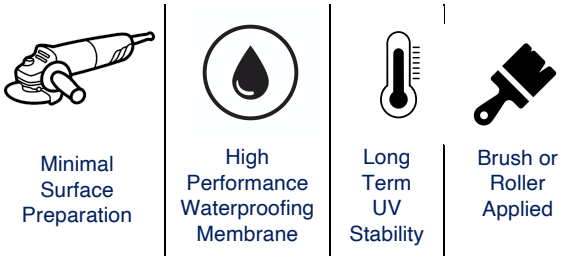
Product Features

- Single component – Applied in 2 coats at 500 microns + per coat.
- Long term UV stability.
- Flexible membrane once cured – 10,000 hours corrosion resistance
- Apply by brush, roller or standard airless spray.

Product Applications

UPS 778 AWC is suitable for use in emergency repairs or general maintenance;

Roofs, Gutters and Fiberglass Structures



Surface Preparation

All surfaces must be free of all debris, mold, moss, algae and dust. The roof surface should be pressure washed at a minimum of 2000psi and then dried using squeegees or let dry overnight.

1. **Concrete and porous surfaces**

Prime surfaces using UPS 909 PP (an epoxy primer) at a wet film thickness of 150 microns (6mil).

2. **Plywood and wooden surfaces**

Prime surfaces using UPS 909 PP (an epoxy primer) at a wet film thickness of 150 microns (6mil).

3. **Bituminous or asphalt surfaces**

Prime surfaces using UPS 656 BP (a solvent based acrylic primer) at a wet film thickness of 100 microns (4mil).

4. **Mineral Felt Surfaces**

Prime surfaces using UPS 656 BP (a solvent based acrylic primer) at a wet film thickness of 100 microns (4mil).

5. **Metal surfaces**

Prime surfaces using UPS 908 MP (a solvent based epoxy primer) at a wet film thickness of 150 microns (6mil).

Mixing

Prior to mixing please ensure the following:

1. The base component is at a 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.

Then proceed with mixing the product:

1. The UPS 778 AWC is a single component product.
2. Gently mix the product using an electric paddle mixer to ensure the product is consistently mixed.

Application

Brush or Roller applications -

1. Apply the 1st coat of material with a medium pile roller and a wet thickness of 500 microns (20mil).
2. Allow to cure for 3-4 hours (20°C/68°F).
3. Apply 2nd coat of UPS 777 AWM at a wet thickness of 500 microns (20mil).

PLEASE NOTE: If reinforcement is required glass fiber chop strand matting (100gm/225gm) can be embedded into the first layer of UPS 778 AWC while still wet, follow by Back roll a thin layer of the product onto the surface to encompass the matting.

Technical Data & Performance

Coverage Rates

20 LTR (5.3 US Gallon) of fully mixed material will give the following coverage rates -	
40m² at 500microns	429ft² at 20mil

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

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.

Touch Dry	1-2 hours
Minimum overcoating time	3-4 hours
Maximum overcoating time	indefinite

Appearance

Material Colour	White acrylic emulsion

Available Colours

White

Over Coating Times

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

Mixed	1.25

Solids Content

60%

Slump Resistance

Nill at 750microns

Touch Dry

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

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Pack Sizes

20LTR (5.3 US Gallon)

Shelf Life

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

Mechanical Properties

Direct Pull off Adhesion ASTM D4541	28kg/cm^2 (400 psi)
Tensile Strength ASTM D412	42kg/cm^2 (600 psi)
Enlongation ASTM D412	160%
Water Vapour Permeability ASTM D1653	2 x 10^4 perm.cm

Heat Resistance

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

Global Availability

UPS 778 AWC Acrylic Waterproof Coating 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 I sales@uniquepolymersystems.com

Technical Service

Complete technical assistance is available. Please contact Unique Polymer Systems with your requirements:
+44(0) 1531 636300 I 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