

# TECHNICAL DATA SHEET

## UPS 661 EC EMBEDMENT COAT



### UNIQUE POLYMER SYSTEMS

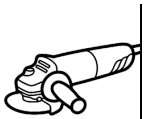
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**UPS 661 EC Embedment Coat** is a one component; moisture triggered elastomeric urethane coating specially developed as a high-performance waterproofing membrane base coat for use on roof surfaces. UPS 661 EC is to be used with UPS 662 UV Topcoat for the full waterproofing membrane system.

### Product Information

#### Product Features

- Good application characteristics for easy by-hand application.
- *Short cure times allowing product to be over coated quickly.*
- *Outstanding waterproofing properties.*



Minimal Surface Preparation



Brush, Roller or Squeegee Application



Fast Curing



Outstanding waterproofing properties

#### Technical Specification

Criteria	Typical Value
Colour	Grey
Solids %	83%
Viscosity at 23°C	Thixotropic
S.G	1.40
Coverage	1.0 – 2 LTR/m <sup>2</sup>
Touch Dry	2-3 hours
Typical Over Coating Time	8-24 hours
Tensile Strength	5N/mm <sup>2</sup>
Elongation at Break	550%

#### Application

UPS 661 EC is designed for use in applications where a seamless waterproof system required on structurally sound roof areas. It is recommended that the product is applied at +5 to +35°C.

#### Surface Preparation

All areas should be clean, dry and free from dirt, dust and grease and any loose aggregate removed. UPS 661 EC should not be applied in wet conditions or when rain is imminent. The surface must be free of any visible moisture.

#### System Application

A base of UPS 661 EC should be laid at a coverage rate of 1.2 LTR/m<sup>2</sup> with 100gsm or 225gsm chopped strand matting embedded into the material. Once the base coat has reached a suitable overcoating window, a topcoat of UPS 662 UV Topcoat can be applied at a coverage rate of 0.75LTR/m<sup>2</sup> for a 15 year

system, 1.0LTR/m<sup>2</sup> for a 20 year systems or 1.75LTR/m<sup>2</sup> for a 25 year system.

#### Curing

UPS 661 EC should be allowed to cure for a minimum 8 hours at 19°C prior to overcoating. The cure time will be extended at low temperatures and low humidity.

#### Important Information

This system must be installed consistent with our installation guide, including our guidance on suitable bases and application temperatures. Installation during excessive temperatures / certain substrates can lead to movement for the waterproofing system. Day sheets must be completed for each day of installation and stored. Please consult our Technical Department for any required clarification.

#### Storage

Stored in unopened original containers, UPS 661 EC will have a shelf life of 6 months.

Store between 5 and 25°C.

#### Global Availability

UPS 661 EC Embedment Coat 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.