



TECHNICAL DATA SHEET

UPS 771 EC Elastomeric Roof Coating

Single Component Solvent Based Elastomeric Roof Coating

UPS 771 EC is a high performance, high build, Elastomeric coating incorporating a moisture triggered curing System for use on flat and pitched roofs. Once applied **UPS 771 EC** forms a totally seamless barrier that is fully Resistant to rainfall and ponding water.

UPS 771 EC forms the first part of the **UPS 771 EC / UV** liquid applied roofing membrane range offering a Choice of 15, 20, or 25-year performance protection.

UPS 771 EC has excellent wetting characteristics For ease of embedment, providing a cost effective, high build, high Solids base coat that offers superb adhesion normally without the Need for primers that can be applied using a brush, roller or Airless spray equipment.

UPS 771 EC protects a wide range of substrates Including cold, warm or inverted roofs, flat, pitch, corrugated, Dormer and north light. Valley gutters, flashings, up stand scappings And protrusions. It can also be used as general waterproofing over A wide range of common construction substrates and insulants.

UPS 771 EC is used on conjunction with UPS 100gm, UPS 200gm Chopped Strand Mat, UPS Bridging Tape and UPS Knitted Reinforcing Systems prior to over coating With UPS 772 UV.

There reinforcement systems comprise of special Glass Fibre Chopped Strand Mat in two differing weights for total reinforcement off lat roofs using the **UPS 771 EC / UPS 772 UV** membranes. With UPS Knitted Reinforcing for preliminary crack treatments, overlaps, expansion joints, edging and finishing.

Before proceeding, please read the following Information carefully to ensure that the correct Application procedure is fully understood.

SURFACE PREPARATION

Dirt build up, moss and loose material should be removed by Scraping or brushing with a stiff bristled brush.

Any standing water should be removed and surfaces allowed to dry.

Metal surfaces should now be primed with **UPS 907 MC Primer** in accordance with the product tech sheet.

Any cracks and gaps should be raked out to remove dirt build up And made good with a proprietary filler or **UPS XPS Filler**

Any oil or grease contamination should be removed by high Pressure washing using a detergent solution.

Surfaces should then be allowed to dry.

Asphalt and Bitumen surfaces are now ready to accept **UPS 771 EC**, no priming is required.

Porous surfaces should now be primed using **UPS 903 FB Primer** in accordance with the product tech sheet.

MIXING

UPS 771 EC is a single component material and Should only require stirring prior to use to incorporate any slight separation.

APPLICATION

Prior to application surfaces must be at least 3°C above the dew point.

UPS 771 EC should be applied directly to the Prepared / primed surface. Application can be carried out by Brush or roller.

Where reinforcement is required **UPS CSM** (100gm/m² Chop Strand Fibre glass Matting) should be rolled into the **UPS 771 EC**, with further product being applied As necessary to ensure complete embedment.

UPS 771 EC can be applied in all weather Conditions except falling rain / snow.

UPS 771 EC must not be applied over ice, and Surfaces must be free from visible moisture.

All equipment must be cleaned IMMEDIATELY after use with **UPS Universal Cleaner**.

Recommended Film Thickness

UPS 771 EC should be applied at a spreading rate of 1.0 litre/m² on smooth surfaces rising to 1.5 litre/m² on rough surfaces, when using 100gm **UPS CSM**. When using 200gm **UPS CSM** the spreading will vary from 1.5litre/m² to 2.0 litre/m² depending on roughness.

This equates to a dry film thickness ranging from 350 - 700 microns. (14-28mil) for 100 gm matting to 550 – 1120 microns (22-45mils) for 200 gm matting.

Detailed working recommendations are available from the Technical Centre on request.

PHYSICAL CONSTANTS

Mixing Ratio Supplied ready for use.

Appearance Viscous Black Thixotropic Liquid

Drying & Cure times at 20°C(68°F)

Touch Dry	2-3hours
Through Dry	5-6hours
Minimum Overcoating	6-8hours
Maximum Overcoating	7days
Full Cure	7days

VolumeSolids 83%

V.O.C. 170gm/litre

ShelfLife Use within 6 months of manufacture. Store In original sealed containers at Temperatures between 5°C (40°F) and 30°C (86°F).

Fire Performance External Fire Exposure Roof Test
(Applied at BS476Part3:1958.
Recommended dft)Category EXT.S.AA Tested
On complete **UPS 771 EC / UPS 772 UV** system

PHYSICAL PROPERTIES

Impact Resistance ASTMD 2794	13.55 Joules (120inlbs)
Elongation ASTM D412	200%
Direct Pull Adhesion ASTMD4541	35kg/cm ² (500psi)-concrete (concretefailure)
*Water Vapour Permeability ASTMD 1653	2 x 10 ⁻⁴ perm.cm
Tear Strength ASTMD 624	19.1N/mm
Tensile Strength ASTMD 638	4.77N/mm ² (700psi)

*Water vapour permeability data is for the complete **UPS 771 EC / UPS 772 UV** system

HEALTH AND SAFETY

As long as normal good practice is observed **UPS 771 EC** can be safely used.

UPS 771 EC is flammable and should be stored Away from sources of ignition.

Adequate ventilation must be provided during use.

A fully detailed **Material Safety Data Sheet** is either Included with the material or is available on request.

PACKAGING

Supplied in 12.5 litre units.

The information provided in this Product Data Sheet is intended as a general guide only and should not be used for specification purposes. The information is given in good faith but we assume no responsibility for the use made of the product or this information because this is outside the control of the company. Users should determine the suitability of the product for their own particular purposes by their own tests.



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