

TECHNICAL DATA SHEET

UPS 773 WG

Single Component Solvent Based Flexible Roof Coating

UPS 773 WG is a high performance water proofing and protection system specifically designed to enable application to be carried out at low temperatures and is suitable for most roof surfaces including asphalt, bitumen, mineral felt, asbestos cement, concrete and metal surfaces.

The **UPS 773 WG** formulation is based on a unique flexibilised acrylic resin in combination with inert pigments and fillers.

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

SURFACE PREPARATION

The **UPS 773 WG** system should only be applied to structurally sound areas. On flat roofs which have been dressed with large or medium size chippings, these must be removed prior to application. A mechanical flail should be used to remove the chippings and then the area swept down to remove all loose dirt and dust.

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

Blisters on asphalt roofs should also be cut out and the void filled with **UPS XPS** On felt roofs, severe blisters should be cut open and bonded flat.

Any areas of moss or lichen growth should be treated with **UPS Fungicidal Wash** in accordance with the instructions.

Any surface to be protected must be clean, dry and firm and this is especially important with metallic, gloss or plastic surfaces.

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

Asphalt, Bitumen, Felt, Timber and Porous Mineral surfaces are now ready to accept **UPS 773 WG**, no priming is required, however certain aged factory dressed roofing felts and aged asbestos may require special treatment, a trial application and adhesion test is advisable on their surfaces.

Sound Existing coated and Non Porous mineral surfaces should now be primed using **UPS 904 GP Primer** in accordance with the product tech sheet and allowed to dry for a minimum of 6 hours at 20°C but must be allowed 16 hours in cold conditions prior to overcoating.

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

MIXING

UPS 773 WG is a single component material and should only require stirring prior to use to incorporate any slight separation.

PRODUCT APPLICATION

Surfaces to be coated should be clean, dry and free from obvious surface moisture and must be a minimum of 3°C above the dew point prior to application.

UPS 773 WG is a single component material and should only require stirring prior to use to incorporate any slight separation using a slow speed paddle mixer.

The **UPS 773 WG** system is designed to give a minimum of 10 year protection.

The **UPS 773 WG** System is a two coat system with **UPS C.S.M. 100 gram** embedded into the first coat.

After the surface has been prepared and primed as required, any cracks and joints should be covered with **UPS Roofing Bridging Tape**.

UPS 773 WG should then be applied by brush or medium pile roller to the prepared surface. **UPSC.S.M.** should then be rolled out into the wet coat of **UPS 773 WG**, with further material being applied by medium pile roller as required to ensure full embedment taking care to avoid ponding and excessive thickness of **UPS 773 WG**.

A second coat of **UPS 773 WG** should now be applied, a minimum of 4-6 hours after the first coat, the minimum overcoating interval will depend on the roof temperature and drying conditions. Excessive thickness and ponding of the coating must be avoided.

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

Recommended Film Thickness

UPS 773 WG embedment coat should be applied at a spreading rate of 0.5 litre / m² on smooth surfaces rising to 1 litre/ m² on rough surfaces, sufficient to wet out the CSM without excessive thickness and ponding.

This equates to a dry film thickness ranging from 225 to 450 microns. (9-18 mil)

The second coat should be applied at 0.5 litre/m² which equates to 225 microns (9 mil).

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

PHYSICAL CONSTANTS

Mixing Ratio	Supplied ready for use
Appearance	Viscous Coloured Liquid
Drying & Cure times at 20°C/68°F	Touch Dry 2-3 hours Through Dry 6-8 hours Minimum Overcoating 6-8 hours Full Cure 7 days
NB:	At lower temps the drying times and minimum overcoating times will be extended.
Volume Solids	48%
V.O.C.	448 gm / litre
Shelf Life	Use within 2 years from date of purchase. Store in original sealed containers between 5°C (40°F) and 30°C (86°F).
Site Storage	Product should be maintained above 10°C (50°F) prior to use to aid application.
Fire Performance	External Fire Exposure Roof Test BS476 Part 3: 1958 Category EXT.FAA

PERFORMANCE DATA

Direct Pull Adhesion	28kg/cm ² (400 psi) - Concrete ASTM D4541
Water Vapour Permeability	5.51 x 10 ⁻⁵ perm.cm ASTM D 1653
Tensile Strength	6.85 N/mm ² (1000 pli) Reinforced ASTM D412
Elongation	40% ASTM D412
Tear Strength	36.72 N/mm ² (210 psi) Reinforced ASTM D624
UV Resistance	Unaffected 1,000 hours QUV - B ASTM G53

HEALTH AND SAFETY

As long as normal good practice is observed **UPS 773 WG** can be safely used.

UPS 773 WG 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 20 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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