

## Nucoat UVS

### Polyaspartic Finish Coat

A Polyaspartic finish coating which provides a decorative resin encapsulation for anti-slip aggregate. Nucoat UVS is characterised by its tough, hard wearing and weather resistant properties and may be used as a coating for commercial and industrial concrete floors with Class U4 finish or for protecting existing painted surfaces.

**Colours Available:** Clear, Grey, Black Grey, Traffic Red, Traffic Yellow, Super-white, Purple, Green and Blue.


#### Advantages

- Tough and extremely durable
- UV stable
- Improves aggregate binding
- Provides a decorative finish
- Available in clear and a range of colours

#### Applications

- A waterproof and decorative coating to car park decks, foot bridges, walkways and suspended floors
- Suitable for marking parking bays, traffic routes etc.
- Protecting commercial and industrial floors

Type	Polyaspartic
S.G.	1.6 Pigmented
	1.1 Clear
Pot life	20 minutes @ 20°C
Hardness	90 (Shore D)
Tensile strength	>10 MPa
Tear strength	11 MPa
Coverage	0.7 kg/m <sup>2</sup> over 0.3-1 mm aggregate
	0.2-0.4 kg/m <sup>2</sup> over painted surfaces and concrete Class U4 Finish

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Nufins, Kingston House, 3 Walton Road, Pattinson North, District 15, Washington, Tyne & Wear. NE38 8QA  17  0086-CPR-594215	
EN 1504-2  Surface protection product coating	
Permeability to water vapour	Class 1
Capillary absorption & permeability to water	<0.1 kg/m <sup>2</sup> .h <sup>0.5</sup>
Adhesion	≥1.5 MPa
Dangerous substances	Complies with 5.3

#### Surface Preparation

##### Aggregate Surfaces

All loose aggregate must be removed from the deck/floor prior to application of Nucoat UVS.

##### Concrete Surfaces; Class U4 Finish

Onto a concrete surface with a Class U4 finish, apply thinly (no ponding) Uniseal Primer P2 by roller. Allow this coating to fully cure for approximately 1 hour prior to application of Nucoat UVS.

##### Painted Surfaces

Mechanical abrasion will improve adhesion over existing coatings. As a minimum, floors should be thoroughly cleaned to remove all traces of dirt, oil and grease.



## Technical Data for Nucoat UVS

Properties	Standard	Performance Requirements	Declared Value
Appearance			Clear/Pigmented Resin
Solids content			>95 %
Specific gravity			1.6 Pigmented 1.1 Clear
Viscosity			2000 cps
Working life			20 minutes
Coverage			0.7 kg/m <sup>2</sup> over 0.3-1 mm aggregate 0.2-0.4 kg/m <sup>2</sup> over painted surfaces and concrete Class U4 Finish
Application temperature			2-30°C
Permeability to water vapour	EN ISO 7783-1	S <sub>D</sub> <5 m	S <sub>D</sub> <5 m (Class I)
Capillary absorption & permeability to water vapour	EN 1062-3	W<0.1 kg/m <sup>2</sup> .h <sup>0.5</sup>	W<0.1 kg/m <sup>2</sup> .h <sup>0.5</sup>
Tear strength			11 MPa
Tensile strength	BS 2782-3		>10 MPa
Slip resistance	EN 13036-4		Class 1
Abrasion Resistance (1000 cycles)	EN ISO 5470-1	≤3000 mg	714 mg
Adhesive bond strength	EN 1542	>1.5 MPa	2.5 MPa
Adhesion after freeze/thaw (50 Cycles with salt)	EN 13687-1	>1.5 MPa	>2.0 MPa
Adhesion after thunder shower (30 Cycles)	EN 13687-2	>1.5 MPa	>2.0 MPa
Adhesion after dry cycling (30 Cycles)	EN 13687-4	>1.5 MPa	>2.0 MPa

Technical Data shown are statistical results and do not correspond to guaranteed minima.

Tolerances are those described in appropriate performance standards.

Tests performed under laboratory conditions, (23°C) unless otherwise stated.

1 N/mm<sup>2</sup> = 1 MPa

## Mixing

Mix only full units. The base component should be thoroughly stirred to remove any settlement. The entire contents of the hardener should be added to the base and mixed thoroughly, avoiding incorporation of air. Care should be taken to prevent un-mixed material remaining in the mixing vessel. 200-400 ml of xylene should be added to the base tin in order to aid application.

## Application Instructions

### Aggregate Surfaces

The mixed Nucoat UVS should be applied to the non-slip system/prepared surface using a flat bladed squeegee and back rolled with a medium nap roller to obtain a uniform finish with a coverage of approximately 0.7 kg/m<sup>2</sup>.

### Concrete Class U4 Finish and Painted surfaces

The mixed Nucoat UVS should be applied over prepared surfaces by roller at a rate of 0.2-0.4 kg/m<sup>2</sup>.

The incorporation of fine kiln dried sand into the resin and back rolled will provide an anti-slip finish, if required.

## Chemical Resistance

Performance of Nucoat UVS. Tested by immersion at 20°C against a range of aggressive chemicals.

Kerosene	Good
Petrol & Diesel	Good
Mineral/Synthetic oil	Good
Hydraulic fluids	Good
Road Salts	Good
Dilute Acids	Good
Dilute Alkalis	Good

The chemical resistance of Nucoat UVS is dependent on the temperature and concentration of the chemical. Contact Nufins Technical Department for advice.

## Packaging

Nucoat UVS is supplied in 5 Kg packs

## Storage

The shelf life is 12 months when stored unopened in dry, normal conditions and away from direct sunlight. Protect from frost. If stored in cold conditions the containers should be warmed prior to use as this will assist mixing and application procedure.

## Health & Safety

Product Safety Data Sheets (SDS) are available from Nufins. SDS sheets are provided to help customers satisfy their safe handling, use, and disposal needs as well as assist with any conformance requirements made locally by health and safety regulations.

SDS are continually updated to provide the very latest information to our customers. We therefore recommend contacting our head office to obtain the most recent and accurate SDS before handling and using any product.

## Limitations

Applications should only be made when the temperature is at least 3°C above the dew point. Do not apply at temperatures below 2°C. For application to asphalt, contact Nufins technical department.

## Disclaimer

The information contained herein is to the best of our knowledge true and accurate and is given in good faith but without warranty. The user will be deemed to have satisfied themselves independently as to the suitability of our products for their own particular purpose. In no event shall Nufins be liable for consequential or incidental damages.

Users must always refer to the most recent issue of the Technical Datasheets, copies of which will be supplied on request.

## Technical Support

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors. Technical contacts are available to provide further information and arrange demonstrations.