

## Nucoat UVS

### Polyaspartic Finish Coat

A polyaspartic finish coat, providing a decorative resin encapsulation for the non-slip aggregate, tough, hard wearing and weather resistant.

**Colours Available:** Grey, Black Grey, Traffic Red, Traffic Yellow, Superwhite, Purple, Green and Blue.

#### Features and Benefits


- Tough and extremely durable.
- Improves aggregate binding.
- Provides a decorative finish.
- Available in clear and a range of colours.
- Suitable for marking parking bays, traffic routes etc.
- UV Stable.

#### Applications

Aggregate encapsulation layer of a hard wearing, high build membrane system, to provide a waterproof and decorative coating to car park decks, foot bridges, walkways and suspended floors.

#### Technical Information

Type	Polyaspartic
S.G.	1.6
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>

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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

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

#### Mixing

Use only full packs. The entire contents of the hardener tin should be added to the base tin and slowly stirred until thoroughly mixed, taking care not to entrain air into the mix. Care should be taken to prevent unmixed material remaining on the side of the tin. Note: 200-400ml of xylene should be added to the base tin in order to aid application.

#### Application Instructions

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>.



## Technical Data for Nucoat UVS

Properties	Standard	Performance Requirements	Declared Value
Appearance			Resinous Coating
Solids Content			>95%
Specific Gravity			1.6
Viscosity			2000 cps
Working Life			20 Minutes
Coverage			0.7 kg/m <sup>2</sup>
Permeability to Water Vapour	EN ISO 7783-1	S <sub>D</sub> <5m	S <sub>D</sub> <5m (Class I)
Capillary Absorption & Permeability to Water Vapour	EN 1062-3	W<0.1 kg/m <sup>2</sup> /Hr <sup>0.5</sup>	W<0.01 kg/m <sup>2</sup> /Hr <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	≤3000mg	714mg
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

1 kN/mm<sup>2</sup> = 1 GPa

## 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

It should be noted that the ability of Nucoat UVS to resist attack is dependent on the temperature and concentration of the chemicals.

## Storage

Nucoat UVS should be stored at normal room temperature. If stored in cold conditions the containers should be warmed prior to use as this will assist mixing and application procedure. Nucoat UVS should be stored away from foodstuffs and out of the reach of children.

## Health & Safety

Nucoat UVS, like similar products, is capable of irritating unprotected sensitive skin, we therefore recommend the use of a suitable barrier cream and gloves. Please refer to our product SDS and [www.ISOPA.org](http://www.ISOPA.org) for further details on the safe use of this material.

## Limitations

Do not apply at temperatures below 5°C.

## 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.