

## VUKA COAT 304 N

### DESCRIPTION

Clear solvent free novolac modified epoxy resin system with high chemical and mechanical resistance.

### USES

Designed for use in high chemical environments such as acid and alkali bund areas, storage tanks, silos, sewage works, battery charging bays, chemical loading bays and other areas where conventional epoxy systems are unsuitable. Also used as a bedding and grouting compound for acid tiles and bricks as well as a laminating resin.

### BENEFITS

High chemical resistance – Novolac technology  
 Solvent free – safe to apply - odourless  
 Extremely good mechanical properties  
 Seamless  
 Liquid proof  
 Hard wearing – abrasion resistant  
 Self smoothing or anti slip available

### CHEMICAL RESISTANCE

**Examples of resistance to 30 day immersion in the following solutions at 25C:** 10% Lactic acid, 10% Acetic acid, 70% + 98% Sulphuric acid, 30% Hydrochloric acid, 50% Caustic, 10% Hypochlorite, Trichloroethane, Butyl Cellosolve, Xylene, Ethanol.

For further chemical resistance information please contact our Technical Department

### PROPERTIES

The following are typical properties achieved at 20C and 50% relative humidity.

Fire Resistance	Class 4 – SANS 10177 : Part 4 : 2005
Slip Resistance	BS EN 13036-4:2011. Typical values for Four-S Rubber. Dry 81 Wet 36

Impact Resistance	ISO6272-1:2011 1kg weight >1.8m 2kg weight >1.5m
Abrasion Resistance	SANS 1149:2012
Thermal Resistance	Tolerant of sustained temperatures to 80C
Water Permeability	Nil – Contest test. (Impermeable)
Compressive Strength:	>70 N/mm <sup>2</sup> SM SABS 863:1994
Flexural Strength:	>25 N/mm <sup>2</sup> SM SABS 864:1994
Tensile Strength:	>20 N/mm <sup>2</sup> SM SABS 1253:1994
Bond Strength:	Greater than cohesive strength of 25N/mm <sup>2</sup> concrete > 1.5 N/mm <sup>2</sup> Proceq Dyna
Light traffic @ 20C	24hrs
Heavy traffic @ 20C	2 Days
Full cure @ 20C	7 Days
Overcoat 20 C	6hrs to 24hrs
Theoretical coverage	6m <sup>2</sup> /Litre per coat

### SURFACE REQUIREMENTS

Concrete / Grano surfaces must have a minimum compressive strength of 25N/mm<sup>2</sup>, a minimum tensile strength of 1.5N/mm<sup>2</sup>, be at least 40mm thick. The substrate must be dry, free of oils waxes fats and other contaminants. Vacu-blasting, scarification, abrasive grinding followed by vacuum cleaning is preferred. The surface must show open pores throughout with exposed aggregate. **Acid etching is not acceptable.**

### MIXING

Vuka Coat 304 N – pre stir base and activator. Add the entire activator to the base and using a slow speed paddle fitted to a vari speed drill at 300rpm mix for 2 minutes. Be sure to run the paddle along the container sides and bottom to blend in unmixed components which might cling to walls.

### APPLICATION

Apply the Vuka Coat 304 N by brush or short nap roller and allow to cure. Theoretical spread rate on firm concrete surfaces 6m<sup>2</sup>/L. Apply 2 or 3 coats.

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## **VUKA COAT 304 N**

### **OPTIONAL FINISHES**

Standard finish: Gloss  
MAS - Medium Anti Slip  
HAS – Heavy Anti Slip

### **CURING**

At 25C constant, excessive traffic, aqueous contact and exposure to aggressive chemicals should only take place after 7 days when full cure has been achieved. At 10C constant, full cure would take a minimum of 12 days.

### **STORAGE**

12 Months from date of production if stored in original sealed containers in dry conditions at temperatures between +5C and +30C.

### **HEALTH AND SAFETY**

Use of basic principles of industrial hygiene and protective clothing such as gloves, goggles, masks will enable the product to be used safely. Splashes into eyes should be washed immediately with clear water and medical advice sought.

### **BILL OF QUANTITY DESCRIPTIONS**

Contact Vuka Floors for a detailed bill description to suit your specific requirements.

### **MODEL SPECIFICATION**

Prepare surface and install 3 coats Vuka Coat 304 N solvent free epoxy novolac at 6m<sup>2</sup>/L per coat in strict accordance with the technical data obtainable from Vuka Floors. All work to be done by Vuka Floors approved applicators.

### **REFERENCE PANEL**

A reference sample should be installed by the applicator prior to the start of the contract to ensure correct coverage, workmanship and acceptance by the client as a standard for the project.

### **FURTHER INFORMATION**

This product will change in colour over time. Especially when subject to high levels of UV and or chemical attack. For best colour stability consult our technical department. This does not compromise the products physical and chemical resistance characteristics.

Vuka Floors products are guaranteed against defective materials and manufacture and are sold subject to its Terms and Conditions which may not be overridden in any other legal documentation.

Whilst any information contained herein is true, accurate and represents our best knowledge and experience at the date of issuance it is subject to change without prior notice. User must contact Vuka Floors to verify correctness before specifying or ordering. No warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

Figures given for consumption / spread rates are theoretical and do not allow for additional materials due to surface profile, porosity, variations in level and wastage etc.