

## VUKA ULTIMATE

### DESCRIPTION

Vuka Ultimate is a solvent free resin and graded quartz mortar screed designed for hand or power troweling to a thickness of 6mm to 7mm.

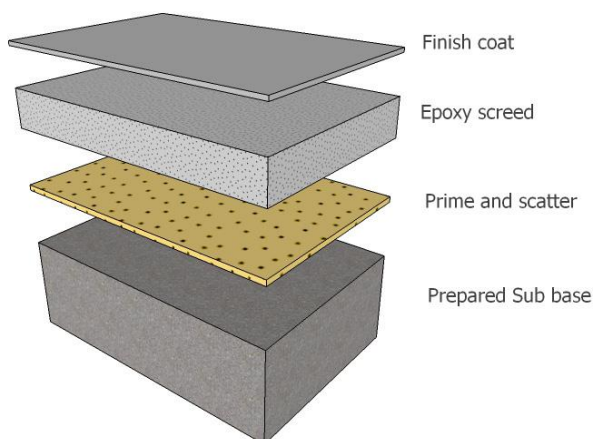
### USES

For areas subject to heavy wear combined with aggressive chemical spillage such as wet food processing, breweries, dairies, meat processors, correctional facilities, hospitals, kitchens, ablution blocks, supermarkets, garage workshops and the like.

### BENEFITS

- Seamless sealed and hygienic
- Impermeable to liquids
- Excellent chemical resistance
- Solvent free during installation
- Abrasion and impact resistant
- Easy to clean
- Range of standard colours

### ILLUSTRATION



Product colours will differ slightly and it is best to obtain actual colour samples where required. See colour chart for full range of standard colours.

## VUKA ULTIMATE

### PROPERTIES

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

Light traffic @ 20C	24hrs
Heavy traffic @ 20C	2 Days
Full cure @ 20C	7 Days
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 of 60 C
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
Bond Strength:	Greater than cohesive strength of 25N/mm <sup>2</sup> concrete > 1.5 N/mm <sup>2</sup> Proceq Dyna
Tensile Strength:	>9 N/mm <sup>2</sup> SM SABS 1253:1994

### 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.**

### PRIMING

The prepared substrate must be sealed with Vuka Prime 102, porous floors might require two coats. Broadcast 0.8mm to 1.2mm aggregate into wet

primer at 0.5kg/m<sup>2</sup>. Allow to cure and vacuum off all unbound aggregate.

### MIXING

Vuka Ultimate is a pre weighed kit for optimum performance and must not be split. Vuka Prime 102, add activator to base component and blend for 3 minutes using a helical slow speed mixer 200rpm to 400rpm. Apply to prepared concrete/grano sub-base using a squeegee and short nap roller at 4m<sup>2</sup>/litre.

Vuka Ultimate is a three pack product. Mix the activator into the epoxy base for 2 minutes. Transfer the mixed resin into a rotary drum mixer. Add the aggregate slowly until totally homogenised.

### APPLICATION

The epoxy mortar screed is spread to the desired thickness and then closed using a plastic trowel. A clear or coloured sealcoat can now be applied over the cured floor.

### OPTIONAL FINISHES

Standard finish: Gloss  
Optional finish  
Matt sealer coat – Vuka Super Satin  
LAS - Light Anti Slip  
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.

### CHEMICAL RESISTANCE

For chemical resistance information please contact our Technical Department.

## **VUKA ULTIMATE**

### **STORAGE**

12 Months from date of production if stored in original sealed containers in dry conditions at temperatures between +10C 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 Vuka Ultimate at 6mm thickness 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 the 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.