

## VUKA FLOW 400 ESD

### DESCRIPTION

Solvent free, filled, coloured epoxy compound providing a smooth durable floor topping. Formulated to provide an electrostatic dissipative (ESD) floor system.

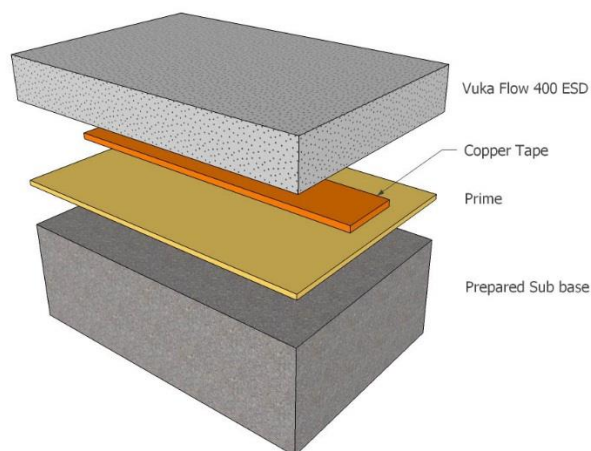
### USES

Vuka Flow 400 ESD is an anti static floor system ideal for areas subject to heavy wear but requiring a smooth easily cleanable surface. Used in a variety of environments requiring ESD flooring including electronics production and assembly areas, computer server rooms as well as paints and solvent storage areas.

### BENEFITS

Meets ANSI/ESD STM7.1-2013  
ESD performance range  
 $1 \times 10^6 < \text{ESD Floor} \leq 1 \times 10^{10}$  ohms  
Solvent free – safe to apply - odourless  
Hygienic –easy to clean – seamless  
Liquid proof  
Hard wearing – abrasion resistant  
Good chemical resistance  
Range of standard colours  
Self smoothing

### 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 FLOW 400 ESD

### 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 65 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:	>15 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.**

### MIXING

Do not split kits. Vuka Prime 102 to be mixed and installed at 4m<sup>2</sup>/Litre as per technical datasheet. Vuka Flow 400 ESD – pre stir base and activator.

Add the entire activator, ESD additive, ESD fibres and base together then using a slow speed paddle fitted to a vari speed drill at mix 300rpm for 1 minute until even coloured. Then add the aggregate slowly whilst mixing for a further 3 minutes. Be sure to run the paddle along the container sides and bottom to blend in unmixed components which might cling to walls.

### PRODUCTS REQUIRED

This system is built up as follows  
Vuka Prime 102  
Copper Tape  
Vuka Flow 400 ESD

### CHEMICAL RESISTANCE

For chemical resistance information please contact our Technical Department

### 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 +5 C and +30 C.

### 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.

## **VUKA FLOW 400 ESD**

### **MODEL SPECIFICATION**

Prepare surface and prime with Vuka Prime 102 at 4m<sup>2</sup>/L then install Vuka Flow 400 ESD system at 2mm 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 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.