VUKA CRETE UT ULTRA

DESCRIPTION

Vuka Crete UT Ultra is a 5mm multi component, colour stable water based polyurethane compound with a variable textured slip resistant finish. Incorporating anti-microbial agent and the latest polyurethane hybrid technology it is suitable for industries requiring hygienic, high strength and heavy duty chemical resistant floors.

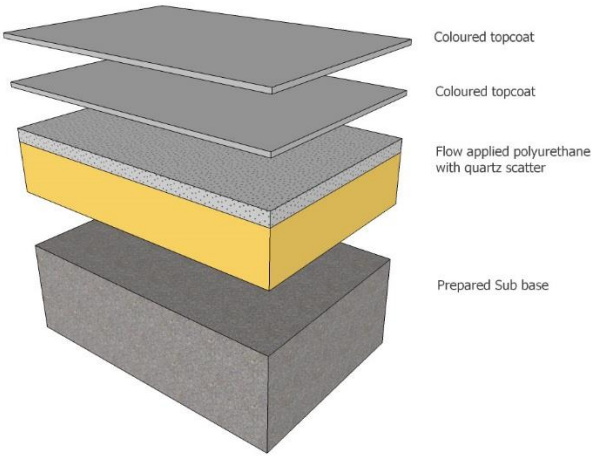
USES

Typically specified for wet processing areas, aggressive chemical environments, abattoirs, dairies, food & beverage plants, workshops, warehouses, prisons, kitchens and the like.

BENEFITS

Variable anti slip surface
Anti-microbial properties
Non-tainting, quick curing
Monolithic seamless finish
High abrasion and impact resistant
Resistant to a broad spectrum of chemicals
Colour stable range
Heat resistant to 120 C (Intermittent)
Freeze and thaw resistance

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.

Email: info@vukafloors.co.za
Revision date: June 2016

www.vukafloors.co.za

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CHEMICAL RESISTANCE

For chemical resistance information please contact our Technical Department

PROPERTIES

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

Light traffic @ 20°C	24hrs
Heavy traffic @ 20°C	2 Days
Full cure @ 20°C	7 Days
Compressive strength	>50Mpa SABS 863:1994
Tensile strength	>8Mpa SABS 1253:1994
Flexural strength	>18Mpa SABS 864:1994
Hardness Shore D	80
Impact Resistance	ISO6272-1:2011 1kg weight >1.8m 2kg weight >1.5m
Water absorption	Nil – Contest test. (Impermeable)
Bond Strength	Greater than cohesive strength of 25N/mm2 concrete > 1.5 N/mm2 Proceq Dyna
Temperature resistance	Intermittent wet 120C Constant dry 92C
Slip resistance	Variable

ANTI MICROBIAL ADDITIVE

The ULTRA FRESH anti-microbial additive incorporated into Vuka Crete UT Ultra inhibits the growth of most bacteria and fungi in contact with the floor. This results in a daily hygienic advantage through the use of anti-microbial technology. It is intended to compliment good housekeeping practices and a suitable cleaning regime.

SURFACE REQUIREMENTS

Concrete / Grano surfaces must have a minimum compressive strength of 25N/mm^2, a minimum tensile strength of 1.5N/mm^2, 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.** It is mandatory to cut grooves into the subfloor to minimise temperature and shrinkage stress. Typically 8mm x 8mm, 150mm from and running parallel with walls, plinths, columns and any finished edge such as expansion joints.

MIXING

Vuka Crete UT Ultra is a pre weighed kit for optimum performance and must not be split. Into a rotary pan mixer empty the base, hardener and pigment components. Mix to an even consistency for about 30 seconds. Gradually add the aggregate and mix for 3 minutes until a fully wetted lump free mixture is obtained.

APPLICATION

Vuka Crete UT Ultra is poured evenly over the appropriate area to be covered, spread the mix evenly at 4L/m2. The preferred application is to use a screed applicator preset to the specified thickness. Close surface with a spiked roller. Blind with silica quartz (0.3mm up to 0.8mm) at 2.5kg/m2. Allow to cure and sweep/vacuum unbound aggregate. Apply 2 coats Vuka Crete UT Ultra seal coat at a nominal 0.3L/m2 per coat.

For extra abrasion resistance replace silica quartz with alumina oxides.

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.

OPTIONAL FINISHES

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

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STORAGE

If stored in original, unopened and undamaged sealed containers in dry conditions at temperatures between +10 C and +25 C.
Part A, B & D: 12 months from date of production.
Part C: 8 months from date of production. Must be protected from humidity.
Vuka Crete UT ULTRA seal coat: 8 months from date of production.

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 Crete UT Ultra water based polyurethane compound at 5mm 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.

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