

VUKA CRETE LC (LOCK COAT)

DESCRIPTION

Vuka Crete LC is a multi-component, water based polyurethane coating incorporating antimicrobial agents, roller or brush applied between 150 to 300 microns thickness per coat.

USES

Ideally suited for use in aggressive environments including chemical process areas, food & beverage industries, dairies, abattoirs, engineering workshops and warehouses. Rejuvenates old Vuka Crete HD, Vuka Crete MD floors and used as a sealcoat in Vuka Crete SR system.

BENEFITS

- Can be applied on 7 day old concrete
- Non-tainting, quick curing
- Monolithic seamless matt finish
- High abrasion and impact resistant
- Easy to clean and sterilize
- Available in a standard colour range
- Resistant to a broad range of chemicals

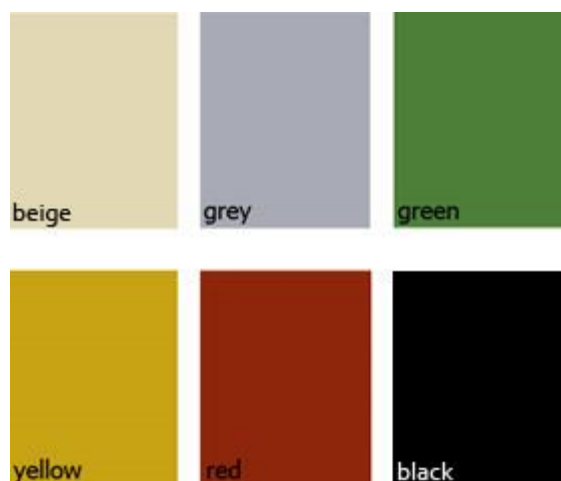
CHEMICAL RESISTANCE

For chemical resistance information please contact our Technical Department

PROPERTIES

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

Light traffic @ 20C	24hrs
Heavy traffic @ 20C	2 Days
Full cure @ 20C	7 Days
Maximum overcoat	24hrs
Compressive strength	>50Mpa
Tensile strength	>10Mpa
Flexural strength	>14Mpa
Hardness Shore D	80
Heat resistance	Up to 70 °C
Water absorption	Nil – Contest test. (Impermeable)
Bond Strength:	Greater than cohesive strength of 25N/mm ²



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.

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concrete > 1.5 N/mm² Proceq Dyna

ANTI MICROBIAL ADDITIVE

The ULTRA FRESH anti-microbial additive incorporated into Vuka Crete LC 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.

COLOUR STABILITY

This product is not colour fast and will change colour over time especially when exposed to direct sunlight and high intensity lighting. Exhibits a yellowing effect most noticeable in the grey. The discolouring does not compromise the products chemical resistance or physical characteristics.

SURFACE REQUIREMENTS

Concrete / Grano surfaces must have a minimum compressive strength of 25N/mm², a minimum tensile strength of 1.5N/mm², 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 5mm x 5mm, 150mm from and running parallel with walls, plinths, columns and any finished edge such as expansion joints.

MIXING

Vuka Crete LC is a pre weighed kit for optimum performance and must not be split. Add the entire Part A to the Part B and using a slow speed paddle fitted to a vari speed drill at 300rpm mix 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.

Email: info@vukafloors.co.za

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APPLICATION

Vuka Crete LC is applied using a short nap roller or brush.

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

STORAGE

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

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 two coats Vuka Crete LC water based polyurethane floor compound at a nominal 200 microns dft per coat in strict accordance with the technical data obtainable

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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.