

VUKA PRIME 105 (VUKACEM)

DESCRIPTION

Vuka Prime 105 is a multi-component epoxy, cementitious textured compound installed between 1.5mm to 4mm thickness. This self-smoothing composite provides a surface membrane for water containment in concrete.

USES

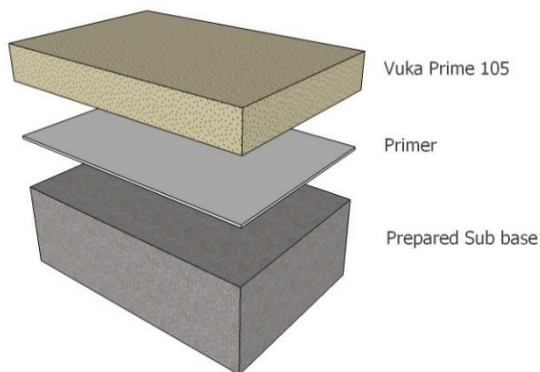
As a surface based Damp Proof Membrane when installed at 3mm.

Used as a base layer beneath coatings, screeds, carpets and wooden flooring to allow early installation of these finishes.

BENEFITS

- Self smoothing and solvent free
- Excellent adhesion to green/damp concrete
- Pore filling properties
- Allows fast track applications
- Can be over coated within 24hrs
- Prevents osmotic blistering of resin coatings over damp substrates
- Impervious to liquids but permeable to water vapour
- Early mechanical strengths
- Surface underlayment for smooth synthetic resin finishes

ILLUSTRATION



CHEMICAL RESISTANCE

Improved chemical resistance over concrete. For specific chemical protection must be over coated with a suitable product from Vuka Floors product range. For chemical resistance information please contact our Technical Department

PROPERTIES

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

Pot life 25 C	15 minutes
Hard dry 25 C	24hrs
Overcoat 25 C	24hrs, see CURING
Tensile strength	5N/mm ²
Theoretical thickness	1.5mm to 4mm
Compressive strength	>40N/mm ²
Bond Strength:	Greater than cohesive strength of 25N/mm ² concrete > 1.5 N/mm ² Proceq Dyna

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 can be damp but must be free of standing water. Surface moisture content must not exceed 7% at 99% relative humidity. The substrate must also be 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

Kit components are pre-weighed for optimum performance therefore never split or proportion a kit. Pre stir base and activator. Add the entire activator to the base and using a slow speed drill (+-300rpm) fitted with a spiral blade mix for 1 minute. Slowly add the aggregate component and blend for 3 minutes.

VUKA PRIME 105 (VUKACEM)

APPLICATION

Prime the prepared surface with Vuka Seal 200. Apply the mixed Vuka Prime 105 and spread using the required gauge notched trowel. Immediately spike roll to de-aerate and assist leveling ensuring the specified thickness is obtained.

CURING

Vuka 105 can be over coated with vapour tight surface resin compounds when the residual moisture content falls below 4% which normally equates to 24hrs at 25 C. 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

If stored in original, unopened and undamaged sealed containers in dry conditions at temperatures between +10 C and +25 C.

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 concrete surface, prime with Vuka Seal 200 primer at 7m²/L and then apply Vuka Prime 105 epoxy cementitious compound at 3L/m² 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.