

VUKA PRIME 105 F (VUKACEM F)

DESCRIPTION

Vuka Prime 105 F is a multi-component epoxy, cementitious fine textured thixotropic micro mortar compound. This self-smoothing and finishing compound is ideal for concrete, mortar and stone.

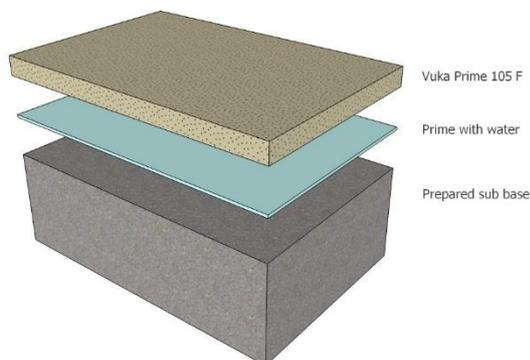
USES

Used as a levelling layer 1.5 to 3mm on vertical or horizontal surfaces. Over high moisture content sub bases or green concrete. In aggressive chemical environments. Surface sealing and finishing.

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, suitable for moisture control
- Very good mechanical strength
- Surface underlayment for smooth synthetic resin finishes
- Passivity preservation and resistivity increasing properties
- Internal and external use

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	25 minutes
Hard dry 25 C	24hrs
Flexural strength	>5N/mm ²
Theoretical thickness	1.5mm to 3mm
Compressive strength	> 40N/mm ²
Bond Strength:	Greater than cohesive strength of 25N/mm ² concrete > 1.5 N/mm ² Proceq Dyna
Full cure 25 C	5 days

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. The substrate must also be free of oils waxes fats and other contaminants. Vacuum blasting or 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 F (VUKACEM F)

APPLICATION

Prime the prepared surface with water. Whilst still damp apply the mixed Vuka Prime 105 F. Spread using a notched rake or smooth trowel. Mechanical application can be undertaken with a hopper gun or wet spray technique. Suitable machines include Graco T Max 405 and Putzmeister S-5. Additional water must not be added and the sprayed surface is to be finished by hand with a trowel.

CURING

Full cure at 25 C is approximately 5 days and may vary depending on thickness as well as changing and ambient conditions. Vuka Prime 105 F can be over coated with vapor tight surface resin compounds when the residual moisture content falls below 4% which normally equates to 24 - 36hrs at 25 C.

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 and prime concrete surface with water and apply Vuka Floors Vuka Prime 105 F 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.