futubeton
DECORATIVE FLOORS AND WALLS

PRODUCT TECHNICAL SHEET:
FUTUMICROONE FINISH

Description of the product	FUTU MICROONE FINISH is a polymer product for creating seamless surfaces on existing substrates. This is a product for thin-layer applications as the final (top layer) layer of micro-cement that is placed directly on a sub-structure made from FUTUMICROONE BASE. **It is not recommended for use in wet areas**. FUTUMICROONE FINISH is a single-component decorative mass, ready-to-use, modified with polymers and it contains appropriately selected mineral fillers, as well as suitable additives. Colouring of the decorative mass is done by adding the pigment to the ready product mass (directly on application).
Application	• For the creation of thin-layer designer floors in new and renovated facilities • For decorative coatings on walls, pillars and ceilings (Use on gypsum plasterboards, plywood, MDF, metal etc.) • For use in private apartments and public utility buildings: offices, hotels, restaurants, shops, etc.
Properties	• very high traction on all types of substrate, excellent workability • Unlimited colour palette • Minimalist design • gives the final appearance of the surface, possibility of finishing in a variety of textures
Consumption	FUTUMICROONE FINISH (0.5 kg/m^2)+ FUTUCOLOR liquid pigment.

Specifications	
Application temperature	+10 -25 °C
Curing time at 20°C	20 minutes
Abrasion resistance	According to EN 13892-3: A9
Packaging	20 kg
Density	FUTUMICROONE FINISH 1.70 - 1.88 kg/dm3 Test density according to EN ISO 2811-1
Traction	According to EN 1542: Above 1.5 MPa

Application	
Preparation of the substrate	Concrete floors should be strong, dry (up to 4 % moisture), clean, slightly rough, with open pores, constructed according to construction standards. All impurities such as: Cement milk, dust, oil, grease marks, fragments that are loose, unbound or poorly attached to the substrate, and old coatings should be removed. The average tensile strength of the concrete, measured by the pull-off method, should not be less than 1.5 MPa. The mature concrete must be ground. The required time for maturing of concrete, cement, and repair materials must be observed. Properly prepared substrate (fill with quartz aggregates on an epoxy resin bridge) under a micro-cement floor, allowing approximately 1.5 kg/m2 of micro-cements to be consumed (1kg FUTUMICROONE BASE).
Application temperature	The ambient and substrate temperatures during the work and for the next 5 days should be +10°C - +25°C. Protect the surface from excessive moisture loss due to e.g. high temperatures, drafts, sunlight, etc. In order to ensure the high quality of the floor and uniform colour, a colour test should be carried out before the material is applied.
Insolation	Adequate lighting must be provided in the room. Large window areas should be covered with foil to reduce the heating of the surface for application of FUTU MICRO ONE FINISH. A heated floor must be cooled down.

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Application	**COLOURING** The decorative mass must be coloured immediately before application by adding liquid pigment – **FUTU COLOR.** After colouring, the mass is ready for use. **APPLICATION** The application is hand-operated with steel trowels of different width and length. The material should be applied in rapid, powerful movements, either in a circular or longitudinal direction, depending on the desired visual effect. On a ground, carefully cleaned substrate with a FUTU KONTAKT- sealing bridge, we lay out the first layer of FUTUMICROONE BASE. After approximately 4 hours when the material is bound and dry, sand the first layer of the decorative BASE. Consumption of FUTUMICROONE BASE- 1 kg/m2. We use Columbus single disc sanding devices for sanding. Sand the sealing bridge with grade 60 paper and then 80. After cleaning the floor – you can go on to the next step – i.e. to the application of the next decorative FUTUMICROONE FINISH. Material consumption per two layers of FUTUMICROONE FINISH - 0.5 kg /m2. After the final layer, leave it to dry completely for not less than 12 hours and apply primer to the surface of the micro-cement with a single component impregnate FUTU PRIMER PU and then protect it with a two-component water-soluble FUTU PU varnish or another layer with a varnish for the Siconofloor line.
Comments and recommendations	
Health and safety conditions	The materials included in the system should be used by trained teams of contractors. Use eye protection, respiratory protection and skin protection during work. When working in confined or enclosed spaces, and during drying, adequate ventilation must be provided. Detailed information on hazards is contained in the Product Safety Data Sheets of particular products available on request. ***After complete hardening, the coating is neutral to health and the environment.***
Final remarks	These specifications are based on trials and laboratory tests. FUTUMICROONE FINISH is not suitable for surfaces permanently exposed to water. The practical results of the measurements may differ from those provided, due to circumstances beyond the control of Sicon. All information is given in good faith and takes into account current knowledge and experience. The manufacturer indicates that the colour of the finished floor may vary. This phenomenon does not indicate a defect in the floor or reduced technical parameters. Possible discolouration may occur due to the way the work and drying are performed. It is recommended that particular areas be covered from batches of material from one production run. The product documentation is general information, appropriate under certain conditions. It is recommended that the purchaser carry out an application test, and performs appropriate checking measurements, under specific construction environmental conditions prior to large-scale application of the product. The flooring in these areas should be assessed and accepted by the investor/principal. The supplier has no influence on the types of application, application methods or execution conditions on the site, therefore these instructions may not be held responsible for the end result of the application. Recommendations of Sicon's associates that deviate from the information in the technical sheet are mandatory only if they are confirmed in writing. Release Date: 06/ 2021