

Description of the product	The FUTUMICROONE vertical surface decoration system is a thin-layer decorative coating system for indoor use on walls, ceilings and furniture. It is not recommended for use in wet areas. FUTUMICROONE is a system based on a single-component decorative mass (FUTUMICROONE BASE and FUTUMICROONE FINISH) that is modified by polymers and contains the appropriate hard aggregates, as well as suitable additives and pigments. 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 - Total thickness of the system 1.5 mm- 2 mm - Unlimited colour palette - Minimalist design - Ability to create the surface structure freely - depending on the layout and sanding style - Easy to keep clean - Very fast application and processing
System design	- The primer layer FUTU-PRIMER 0.2 kg/m² - Sealing layer: FUTU-KONTAKT 0.4-0.8 kg/m² - Micro-cement layer (construction layer): FUTUMICROONE BASE (1 kg/m²) + FUTUCOLOR liquid pigment. Micro-cement coating (finishing layer): FUTUMICROONE FINISH (0.5 kg/m² for two layers - apply 0.25 kg/m², sand and add another 0.25 kg/m²) + FUTUCOLOR liquid pigment. - Sealing varnish: 0.12 kg/m² FUTU-PU or varnish from the Siconofloor product line (before applying varnish, we recommend using 0.2 kg/m² of FUTU PRIMER-PU)
Technical data of the flooring system, i.e. the priming layer made of epoxy resin made from the Siconofloor product line and individual layers of the system - FUTUMICROONE BASE and FUTUMICROONE FINISH	
Application temperature	+10 -25 °C
Curing time at 20°C	20 minutes
Abrasion resistance	According to EN 13892-3: A9
Packaging	BASE 20 kg, FINISH 15 kg, FUTU-PU 6 kg, primer FUTU and PRIMER FUTU PU 5kg, FUTU KONTAKT 20 kg, FUTUCOLOR 1 kg
Density	FUTUMICROONE BASE 1.55 - 1.75 kg/dm ³ ; FUTUMICROONE FINISH 1.70 - 1.88 kg/dm ³ 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

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	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/m ² of micro-cements to be consumed (1kg FUTUMICROONE BASE, 0.5kg FUTUMICROONE BASE in two layers).
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 micro-cement application. A heated floor must be cooled down.
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 In the first stage, we prime the substrate with FUTU-PRIMER. The application of FUTU PRIMER should be carried out after preparation and cleaning of the concrete substrate or wall. The application is performed with a short-hair roller or with a brush. In the case of a absorbent substrate, this process is repeated after the first layer has dried. After approximately 4-6 hours, the material is completely bound and dry, we begin to lay the sealing layer in the form of FUTU CONTACT. 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, 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 substrate, continue to apply another layer of decorative FUTUMICROONE FINISH and after drying, sand with a sanding paper of gradation of more than 80 to 120. Repeat this step. We recommend that you lay two thin layers of FINISH. If a thick layer is applied, a contraction effect may occur (formation of cracks on the floor surface). Material consumption per two layers FUTUMICROONE FINISH - 0.5 kg/m². After the final layer, leave it to dry completely for not less than 12 hours Then begin to prime the micro-cement surface with a single-component treatment with FUTU PRIMER PU. The impregnate is applied with a velour roller, and then impregnation with FUTU-PU is carried out with a polyurethane varnish. NOTE: The product is intended for professional use, the application of the finishing mass is to be carried out after the first decorative layer has completely dried. If the sanding device enters into an un-dried layer, the material can be torn off/detached from the substrate, which in turn means that a new decorative layer must be applied.

	IMPREGNATION After the last layer, leave it to dry completely for not less than 12 hours and the impregnation with FUTU-PU is carried out with a polyurethane varnish (two-component varnish). The surface must be perfectly hardened, dry, supported and clean. Mix each container with component A and component B well before mixing the 2 components of the FUTU PU varnish. Component A must be mixed with component B in a ratio of 5:1 (5 mass by weight of component A : 1 part by weight of component B). The varnish must be applied using a high-quality roller with 8mm bristles. The second coat of varnish can be applied after 4 hours without sanding or after 24 hours after sanding with 220-grade sandpaper. The floor can be used after 24 hours. Complete hardening will be achieved after 7 days.
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. <i>After complete hardening, the coating is neutral to health and the environment.</i>
Final remarks	These specifications are based on trials and laboratory tests. FUTUMICROONE is not suitable for surfaces permanently exposed to water. The practical results of 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