

DATASHEET

Servoplan Ki 1

Premium self-leveling compound

- self-leveling, fast drying
- excellent flow characteristics
- very low tension, high compressive strength
- pumpable
- extended coverage
- layer thickness from 1 to 20 mm
- suitable under tiles, parquet, hardwood and resilient flooring
- very smooth surface, thus reducing consumption of adhesives



PRODUCT DESCRIPTION

Cement bonded, acrylic polymer enhanced, fast drying, self-leveling compound for leveling concrete based subfloors up to 20 mm / 1/32" - 3/4" layer thickness in one pour. **Servoplan Ki 1** is suitable as a subfloor for installation of: ceramic, natural stone, textile, resilient and parquet/hardwood floor coverings. For dry interior areas on load-bearing, flexurally rigid and dimensionally substrates. Also suitable for mastic asphalt screeds of hardness class IC 10 in layer thicknesses up to 10 mm. To increase the tensile and flexural strengths add **Kiesel reinforcing fibers**.

SUBSTRATE PREPARATION

The substrate must be inspected and ready for installation in accordance with the respective regulations of the individual countries as well as the current state of technology. Substrates must be pre-treated in accordance with the current BEB datasheet ('Evaluation and Preparation of Substrates').

Depending on the type of substrate, floor coverings and the requirements such as subsequent loading conditions prime substrate with: **Okatmos® GG, Okatmos® GGS, Bakit PV-Universal, Okatmos® UG 30, Okatmos® EG 20, Okatmos® DSG, Okamul PU-V schnell** or **Okapox GF**. On calcium sulfate based screeds exceeding 10 mm use **Okatmos® DSG, Okamul PU-V schnell** or **Okapox GF** primers.

In order to optimally utilize the flow properties of the levelling compound, we point out that there is an increased priming preparation of the substrate necessary. In case of extremely different absorbent substrates, we recommend priming in an increased amount.

A system structure assembly must be provided.

PROCESSING

Mix **Servoplan Ki 1** with clean, cool water using an electric mixer at a max of 600 RPM until there are no more lumps. After approx. 5 minutes slake time, remix again. Then, pour and immediately apply the compound with a smoothing trowel or rake and leave to level.

For layer thicknesses of 10 mm and above, **Servoplan Ki 1** can be stretched with quartz sand (grain size 0.6 - 1.2 mm).

Releveling may be done if necessary, wet-on-wet according to accessibility, otherwise prime again with **Okatmos® GG, Okatmos® GGS, Okatmos® UG 30, Okatmos® EG 20** or **Okatmos® DSG**. During drying avoid direct sunlight and drafts. If reinforcing fibers are required add one bag of **Kiesel-fibers additive** to the previously mixed self-leveling compound and mix until a homogeneous mixture is achieved. Let it slake and remix it again pouring self-leveling compound immediately and spreading it with a flat trowel.

SPECIFICATIONS

Color	light grey
Application	interior, on floor faces
Thickness	1 - 20 mm (3/64" - 25/32"), under parquet minimum 2 mm
Suitable for chair castors (DIN EN 12529)	suitable from 1 mm layer thickness
Application temperature	41 °F - 77 °F (+5 °C - +25 °C)(substrate)
Water demand	approx. 1.26 - 1.37 US gal./bag (approx. 4.8-5.2 l/20kg powder)
Processing time*	approx. 40 minutes
Walkable*	after approx. 1,5-2 hours

Ready for installation*	COVERINGS	THICKNESS	INSTALLATION AFTER
	ceramic		approx. 2 hours
	stone	1 - 10 mm	approx. 24 hours
		10 - 20 mm	approx. 48 hours
	resilient and textile	1 - 10 mm	approx. 12 hours
		10 - 20 mm	approx. 24 hours
	hardwood, engineered wood		approx. 30 hours

Floor heating system	suitable
GISCODE	ZP 1 - low-chromate acc. to TRGS 613
EMICODE	EC 1 Plus (GEV)
Storage	approx. 6 months in dry area, unopened packaging

* At 68 °F (+20 °C) and 65 % relative humidity. Higher temperature and low humidity decreases, lower temperature and high humidity increases this value respectively.

COVERAGE

approx. 1.4 kg/m² per mm thickness
 approx. 60 sq. ft. per bag at 1/8"

CLEANING

Clean tools with water immediately.

PACKAGING

Product description	Item no.	Item no.
54 x 20 kg paper bags	42060	4015705420608

The aforementioned information, especially the proposals for processing and utilizing our product, is based on our knowledge and experience. We recommend that you carry out your own tests in every case to ensure the suitability of our products for the intended process and processing purposes because of the different materials and the working conditions which lie beyond our area of influence. No liability can be derived from this advice or from verbal advice, unless we are responsible for (criminal) intent or gross negligence in this respect.

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