

Premium self-leveling compound

Servoplan Ki 1

- self-leveling, fast drying
- excellent flow characteristics
- very low stress, high compressive strength
- pumpable
- extended coverage
- layer thickness from 1 to 20 mm (1/32" – 3/4")
- suitable under tiles, parquet, hardwood and resilient flooring
- very smooth surface, thus reducing consumption of adhesives



Product Description

Cement bonded, the acrylic polymer enhanced, fast drying, a self-leveling compound for levelling 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 as well as for moisture class A0 (German) combined with a bonded waterproofing. Also suitable for mastic asphalt attics of hardness class IC 10 in layer thicknesses up to 10 mm **Servoplan Ki 1** can be used in the living areas as directly usable floors. To increase the tensile and flexural strengths add **Kiesel reinforcing fibres**.

Substrate preparation

The substrate must be tested and prepared according to VOB Part C, DIN 18 352, DIN 18 356, DIN 18 365 and state-of-the-art. Prepare substrate according to Data Sheet BEB or TKB-8. Depending on the type of substrate and the subsequent use, prime with **Okamul GG**, **Okamul HD 11**, **Bakit PV-Universal**, **Okatmos® UG 30**, **Okatmos® EG 20**, **Okatmos DSG**, **Okamul PU-V schnell** or **Okapox GF**. On calcium sulphate based screeds exceeding 10 mm use **Okamul PU-V schnell** or **Okapox GF** primers.

To optimally utilize the flow properties of the filler, we point out that there is an increased grounding preparation of the substrate. 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 free of clumps. 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.

Kiesel Technical Department of North America

Canada: Toll-Free: 1.888.5437351
General inquiries: info.canada@kiesel.com

USA: Toll-Free: 1.888.5437351
General inquiries: info.usa@kiesel.com

Kiesel Bauchemie GmbH u. Co. CEO:
KG

Wolf-Hirth-Straße 2
73730 Esslingen Germany
Phone: +49 711 93134-0
Telefax: +49 711 93134-140
www.kiesel.com

Wolfgang Kiesel
Dr. Matthias Hirsch
Beatrice Kiesel-Luik
Personally liable partner:
Kiesel Verwaltungsges. mbH
Stuttgart District Court HRB 210484
Registered office of the company:
73730 Esslingen Germany
Stuttgart district Court HRA 210806



For layer thickness over 10 mm, **Servoplan Ki 1** can be stretched with silica sand (0.6 - 1.2 mm grain size). Re-leveling may be done if necessary, wet-on-wet according to accessibility, otherwise prime again with **Okamul GG**, **Okamul HD 11**, **Okatmos® UG 30**, **Okatmos® DSG** or **Okatmos® EG 20**. During drying avoid direct sunlight and drafts. If reinforcing fibres are required, add one bag of reinforcement fibres to the previously mixed self-levelling compound and mix until a homogeneous mixture is achieved. Let it slake and remix it again pouring self-levelling compound immediately and spreading it with a flat trowel.

Specifications

Color	light grey		
Application	interior		
Thickness	1 - 20 mm (1/32" - 3/4")		
Suitable for chair castors (DIN EN 12529)	suitable		
Application temperature	41 °F to 77 °F (+5 °C to +25 °C) (surface)		
Water demand	approx. 1.26 to 1.37 US gal./bag (approx. 4.8-5.2 l/20)		
Aggregate	possible for layers 10 mm (3/8") and thicker: 13 lbs. (6 kg) (grain 0.6 to 1.2 mm) quartz sand per bag		
Slack time	approx. 5 minutes (re-stir)		
Processing time*	approx. 30 minutes		
Walkable*	after approx. 1,5-2 hours		
Ready for installation*	COVERINGS	THICKNESS	INSTALLATION AFTER
	ceramic		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 in chrome acc. to TRGS 613
EMICODE	EC 1RPlus (GEV)
Storage	approx. 6 months in the dry area, unopened packaging
*	At 68 °F (+20 °C) and 65 % relative humidity. Higher temperature and low humidity decrease, lower temperature and high humidity increase 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

Packaging	Item no.	EAN
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.

Revised: 07/15/2019/me-dj

Kiesel Technical Department of North America
Canada: Toll-Free: 1.888.5437351
General inquiries: info.canada@kiesel.com
USA: Toll-Free: 1.888.5437351
General inquiries: info.usa@kiesel.com

Kiesel Bauchemie GmbH u. Co. CEO:
KG
Wolf-Hirth-Straße 2
73730 Esslingen Germany
Phone: +49 711 93134-0
Telefax: +49 711 93134-140
www.kiesel.com
Wolfgang Kiesel
Dr. Matthias Hirsch
Beatrice Kiesel-Luik
Personally liable partner:
Kiesel Verwaltungsges. mbH
Stuttgart District Court HRB 210484
Registered office of the company:
73730 Esslingen Germany
Stuttgart district Court HRA 210806

