

Premium fast setting self leveling compound

## Servoplan S 111



- no primer required with non-absorbent substrates
- from 1/32" - 5/8" (1 – 40 mm) layer thickness
- extremely fast setting
- in work under time pressure in addition to accelerate
- excellent self leveling characteristics
- excellent final grip
- for interior and exterior installations\*\*
- suitable as a final topping on interior installations

### Product Description

Cement based leveling compound with high polymer content and excellent self leveling properties for preparing ready-to-install substrates up to 40 mm layer thickness for the immediate installation of floor coverings. Suitable for install-in-one-day applications. In a minimum thickness of 3/16" (5 mm) suitable as final load top in garages, basements, storage facilities and alike.

Suitable under ceramic and natural stone tiles in combination with waterproofing membrane in accordance to 0, A0 and B0 classification. **Servoplan S 111** is suitable on poured asphalt of hardness class IC 10 (not as a final topping) and electric floor heating systems. To extend support of the tensile and flexural strengths use Kiesel fibers as an additive.

When under time pressure work can be shortened by adding powder accelerator to shorten the hardening and readiness for covering installations.

### Substrate preparation

The substrate must comply with VOB Part C, DIN 18 352 or DIN 18 365 and must be installation ready.

Prepare substrates according to the current BEB publication „Assessment and preparation of substrates“ and TKB-8. Depending on the type of substrate and the intended use prime first with **Okamul GG**, **Okamul HD 11**, **Okatmos® UG 30**, **Okatmos® EG 20**, **Okatmos® DSG**, **Okamul PU-V schnell** or **Okapox GF**.

Kiesel system structure must be executed. Traffic ready and non-absorbent substrates such as ceramic tiles, terrazzo, and mastic asphalt must be clean clean and free of dust do not require primer. Clean stone floors with **Okamul GR** cleaner before any application. Prime calcium sulphate screeds in layers thicker than 10 mm with **Okatmos DSG**, **Okamul PU-V schnell** or **Okapox GF**. Prime slabs-on-grade with **Okapox GF** with two layers crisscrossing each layer adding quartz sand over second layer.

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## Processing

Mix **Servoplan S 111** with clean water. Using an electric mixer at max 600 U / min mix to a lump free consistency. Stir again after about 5 min slake time. Spread self leveling compound with proper a trowel or spreader. To accelerate the curing and drying time add 1 package powder accelerator to the mix. When working over mastic asphalt with the addition of powder accelerator respect a maximum thickness of 10 mm. As a wearing surface minimum thickness of 5 mm to comply.

When using as a final topping you may expect discoloration in cement caused by the nature of the cementitious material. Wet on wet applications are possible, otherwise when completely dry re-prime with **Okamul GG**, **Okamul HD 11**, **Okatmos® UG 30** or **Okatmos® EC 20**. Avoid direct sunlight and drafts during drying/pouring. If in doubt perform mock-up installation. When adding Kiesel reinforcing fibers mix self-levelling first and then add the fibers with ratio of: 1 bag of fibers per 1 bag of **Servoplan S 111**. Let is slake and spread the self-levelling compound using proper tools.

## Specifications

|   |  |                       |
|---|--|-----------------------|
| Color                                     | grey   |                       |
| Application                               | interior and exterior **, floors   |                       |
| Thickness                                 | 1/32" - 1 1/2" (1 - 40 mm) with tension free curing 3/16" (5 mm) minimum as final load top on asphalt mastic max. 3/8" (10 mm) |                       |
| Suitable for chair castors (DIN EN 12529) | min 1/32" (1 mm) thickness (DIN EN 12 529)   |                       |
| Application temperature                   | 41 °F to 77 °F (+5 °C to +25 °C) (surface)   |                       |
| Water demand                              | approx. 1.5 US gal./55 lbs powder, approx. 5,5 l/25 kg powder  |                       |
| Slack time                                | approx. 5 minutes (restir)   |                       |
| Processing time*                          | approx. 25 minutes   |                       |
| Walkable*                                 | approx. 1 - 2 hours, depending on the thickness  |                       |
| Ready for installation*                   | <b>Covering:</b>   | <b>after approx.:</b> |
|   | ceramic tiles  | 1 - 2 hours           |
|   | textile-, PVC-/CV-, rubber- and linoleum   | 4 hours               |
|   | natural Stone, cork, engineered wood   | 12 hours              |
|   | paints and other coatings  | 24 hours              |

|                      |  |
|----------------------|--|
| Floor heating system | suitable   |
| GISCODE              | ZP 1 - low in chrome according to TRGS 613   |
| EMICODE              | EC 1R according to GEV   |
| Storage              | store in a dry place for up to 6 months  |
| *                    | At 68 °F (+20 °C) and 65 % relative humidity.<br>Higher temperature and low humidity decreases, lower temperature and high humidity increases this value respectively. |
| **                   | Only in combination with following waterproofing membranes: <b>Servoflex DMS 1K Plus SuperTec</b> or <b>Servoflex DMS 1K-schnell SuperTec</b> .                        |

## Coverage

approx.. 1,6 kg/m<sup>2</sup> per mm thickkness, 56ft<sup>2</sup> per 1/8" thickness

## Tool

Clean tools and machinery immediately after use.

## Cleaning

Clean tools immediately with water.

## Packaging

| Packaging             | Item no. |
|-----------------------|----------|
| 42 x 25 kg paper bags | 80034    |

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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