

## DATASHEET

### Servoplan S 444

Fast setting self-leveling compound for wood substrates

- excellent final strength
- flexible
- reinforced with quality fiber
- excellent self-leveling properties
- quick curing
- 1/8" - 9/16" (3 - 15 mm) layer thickness
- self-curing



## PRODUCT DESCRIPTION

Cement-based, fiber reinforced, flexible, special self-leveling compound with high quality polymer additive. **Servoplan S 444** cures quickly, is highly flexible, has low tension characteristics and distributes well. Can be used under wood flooring in a minimum thickness of 1/8" (3 mm). Can be used as final load top in a minimum thickness of 9/16" (5 mm).

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## SUBSTRATE PREPARATION

The substrate must comply with all technical requirements and must be ready for installation. Depending on the type of substrate and the intended use prime the substrate with **Okatmos® GGS, Okamul HD 11, Okatmos® EG 20, Okatmos® UG 30, Okapox GF** or **Okamul PU-V schnell** and use **Servoplan S 444** as a product component together with other Kiesel floor installation system products. **Servoplan S 444** can be applied on load bearing, clean and dust free, non absorbent substrates like ceramic tiles, terrazzo, mastic asphalt screed and wood substrates without primer. Clean substrates thoroughly with **Kiesel substrate cleaner** to remove any paint, oil or wax residue which might act as a bond breaker. On below level substrates or if excessive moisture might occur or if **Servoplan S 444** is applied as final load top prime with **Okapox GF** crosswise in two layers. Wood boards must be well secured, cannot move against each other and may need to be retightened. Heavy loads may cause sagging which can lead to cracking of hard coverings (e.g. ceramic tile). Remove old paint, cut-back and glue residue. Clean floor, sand if necessary and fill joints with **Oka Cryl**. Prime the clean and dry wood floor with **Okatmos® UG 30** and allow drying for at least 24 hours. Prime with Okapox GF if higher thickness is necessary. Use expansion seal gasket around wall perimeter. Please note: even by using high quality primers and leveling compounds, wood substrates are not dimensional stable, especially wood planks.

## PROCESSING

Use clean, cool water to mix **Servoplan S 444** smoothly with an electric mixer at approx. 600 RPM. Allow mixture to slake for approx. 5 min. and stir again. If used as final load top, install in a minimum thickness of 3/16" (5 mm), for installation on mastic asphalt screed or wood substrates maintain a minimum thickness of 3/8" (10 mm). When installing ceramic tiles and natural stones, it might be advisable to install **Okaphone 9** as tension reducing layer. If used as a final load top, color variations might occur due to nature of the cement product. If the surface is not sealed, stains cannot be removed. Additional leveling can be performed only in a wet in wet procedure or right after 12 hrs. When **Servoplan S 444** has completely cured proceed with another layer, priming with **Okatmos® GGS, Okamul HD 11, Okatmos® UG 30** or **Okatmos® EG 20** prior to final pour. Avoid direct sun exposure and draught during the curing process. In case of doubt test in small area.

## SPECIFICATIONS

|   |  |
|---|--|
| Color                                     | grey with fibers   |
| Application                               | interior floors  |
| Thickness                                 | 3 to 15 mm, from 5 mm as final topping, over asphalt and wood based products max. 10 mm, over Okaphone boards max. 5 mm  |
| Suitable for chair castors (DIN EN 12529) | min. 1/8" (3 mm) thickness   |
| Application temperature                   | 41 °F - 77 °F (+5 °C to +25 °C)(surface)   |
| Water demand                              | approx. 1.16 - 1.2 US gal./44 lbs powder, approx. 4,4 - 4,6 l/20 kg powder   |
| Processing time*                          | approx. 20 minutes   |
| Walkable*                                 | after approx. 1 - 2 hours  |
| Ready for installation*                   | ceramic tiles after approx. 1 - 2 hour<br>textile coverings, PVC, rubber after approx. 4 hours<br>wood flooring, linoleum, cork after approx. 12 hours<br>paint coats after approx. 24 hours |
| Floor heating system                      | suitable   |
| GISCODE                                   | ZP 1 - low in chromate acc. to TRGS 613  |
| EMICODE                                   | EC 1R (GEV)  |
| Storage                                   | store in dry place for up to 6 months  |

\* 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. 60 sq ft. per 44 lbs. (20 kg) bag for 1/8" thickness (approx. 1,2 kg/m<sup>2</sup> per mm thickness)

## CLEANING

Clean tools with water immediately after application.

## PACKAGING

| Product description       | Item no. | Item no. |
|---------------------------|----------|----------|
| 54 x 44 lbs. (20 kg) bags | 42037    |          |

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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