

White Flexible Thin Set Mortar

ServoStar® 3000 Flex white

- superior non-sag characteristics
- extended open time
- extended coverage
- for interior and exterior installations
- installation of porcelain tiles and glass mosaic
- up to 10mm thickness
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CE
Kiesel Bauchemie GmbH u. Co. KG Wolf-Hirth-Str. 2 D-73730 Esslingen
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EN 12004 Zementhaltiger Mörtel für erhöhte Anforderungen für Fliesen- und Plattenarbeiten Gründertypen Klasse E Zementhaltiger Mörtel C 2



Product Description

Excellent sag resistant, flexible, white cement-based thin set mortar of white color according to EN 12 004 C2 TE-S1 for interior and exterior ceramic and quarry tile installations, porcelain stoneware, porcelain and glass mosaic, clinker and brick tile and non-moisture sensitive natural stone over load bearing substrates such as in situ concrete (at least 6 months old) and gypsum fiber board, sheet rock, heated screed (please follow corresponding regulations and data sheets), poured mastic asphalt, autoclaved aerated concrete (AAC) as well as balconies and patios. By adding 10 % **Okamul DZ 18** also suitable for glass mosaic installations in submerged conditions (swimming pools).

Suitable for installations of glass mosaic in submerged areas and outdoors by adding 10% **Okamul DZ 18** (2.5 Kg **Okamul DZ 18** per 25 Kg powder, and 2 parts by volume of water and 1 part **Okamul DZ 18**). Meets the „Guideline for flexible mortar“, June 2001 issue.

Substrate preparation

The substrate must be ready for installation, dry, clean and load bearing. If installation occurs on shrinking substrates frequent expansion joints should be included in the layout. Prime absorbent substrates in interior areas with **Okamul GG** or **Okatmos® UG 30**. Allow a drying time of at least 24 hours over calcium sulfate screed. Prime non-absorbent substrates with **Okatmos® UG 30**. In exterior areas apply a contact layer of adhesive mortar and let it set.

Always prime exterior substrates with **Okatmos® UG 30**. Clean old and suitable exterior tiles and prime with **Okatmos® UG 30** always in conjunction with a waterproofing membrane, e.g. **Servoflex DMS 1K schnell SuperTec** or **Servoflex DMS 1K Plus SuperTec**.

Processing

Mix **ServoStar® 3000 Flex** white with clean, cool water to a smooth texture. Allow mixture to slake for approx. 5 minutes and stir again. Use appropriate notched trowel (see table) to apply mortar onto substrate, slide the covering material into the adhesive bed within 25 minutes and press tightly. Depending on the absorbency of the substrate/covering corrections can be made within 25 minutes.

Specifications

Color	white
Application	interior, exterior, walls and floors **
Thickness	max. 10 mm (as a leveling coat)
Application temperature	41 °F - 77 °F (+5°C to +25°C) (substrate)
Temperature tolerance	-4 °F - 176 °F (-20°C to +80°C)
Water demand	approx. 2.1 US gal./55 lbs. powder (approx. 8,0 l/25 kg powder)
Slake time	approx. 5 minutes (re-stir)
Processing time*	approx. 3 hours
Open time (working)	approx. 30 minutes
Walkable * / Ready for grouting *	after approx. 24 hours
GISCODE	ZP 1 - low in chrome acc. to TRGS 613
Storage	month in dry area, unopened packaging approx. 12 months
*	At 68 °F (+20 °C) and 65 % relative humidity. Higher temperature and low humidity decreases, lower temperature and high humidity increases this value respectively.
**	Avoid air entrapment doing exterior installations. Apply mortar on substrate and backside of tiles (buttering-floating procedure).

Coverage

maximum tile dimensions	Square notched trowel size	coverage (powder)
< 2" {	1/8" x 1/8" x 1/8" (3 mm (TKB C3))	244 sqft. per bag (approx. 1,1 kg/m ²)
2 - 4" (51-108 mm)	3/16" x 3/16" x 3/16" or equivalent (4 mm (TKB C1))	192 sqft. per bag (approx. 1,4 kg/m ²)
4 - 8" (109 - 200 mm)	1/4" x 1/4" x 1/4" (6 mm (TKB C2))	128 sqft. per bag (approx. 2,1 kg/m ²)
2 - 4" (> 200 mm)	5/16" x 5/16" x 5/16" or equivalent (min. 8 mm (TKB C4 und and more))	99 sqft. per bag (approx. 2,7 kg/m ²)

Coverage depends on the condition of the substrate.

Cleaning

Clean tools and tile surface immediately with water.

Packaging

Packaging	Item no.	EAN
42 x 55 lbs. (25 kg) paper bags	80030	4015705800301
50 units 4 x 5 kg	80121	4015705801216

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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