NATURALLY, SIMPLY, EVERYWHERE.

Installing large format tiles with Servoflex Pro

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Kiesel

Servoflex Pro

The contractor's preferred mortar

Environmental:
- Use of mineral co-binders instead of artificial ones
- Conservation of natural resources
- Cement-reduced formulation, less CO2 emissions

Simplicity:
- Variable, adjustable water factor for walls and floors
- Safe and rapid hardening even under XL tiles
- Extended coverage

Everywhere:
- indoors and outdoors, on walls and floors, submergible

DESCRIPTION

Multipurpose. stable, non-sag, flexible, light grey and acrylic polymer-modified cementitious thin-bed mortar in accordance with EN 12 004 C2 TE-S1 (ANSI pending) for the installation of ceramic tiles, porcelain stoneware, porcelain mosaic, clinker and brick tiles as well as natural stone coverings that are resistant to discoloration and deformation in interior and exterior areas on load-bearing substrates such as in-situ concrete (at least 3 months old), OkaQuiet, gypsum fibre boards, drywall, heated screeds mastic asphalt, aerated concrete and balconies. e.g. in-situ concrete (at least 3 months old), gypsum fiber-boards, gypsum plasterboards, heated screeds, mastic asphalt, aerated concrete, as well as balconies and terraces (observe the relevant standards and data sheets).

Due to the variable water factor of approx. 34–40 %, Servoflex Pro can be applied on walls as a very stable consistency for heavy tiles and is easily troweled when mixed to floor consistency, maintaining its curing safely and quickly.

SUBSTATE PREPARATION

The substrate must be ready for covering, clean and load-bearing. When installing over substrates that are still shrinking, limit the field size by arranging expansion joints. Clean old coverings with an alkaline cleaner.

Indoors, prime absorbent substrates with Okatmos® DSG or Okatmos® UG 30. If a layer thickness of up to 10 mm / ⅜" is required on calcium sulphate screeds, prime with Okatmos® DSG or Okapox GF. Apply 15 mm ⅝" layer thickness only on waterproof, stable substrates, e.g. cement screeds or concrete. On calcium sulphate screeds max. 10 mm / ⅜" layer thickness. Prime non-absorbent substrates with Okatmos® DSG or Okatmos® UG 30.

In exterior areas, prime with Okatmos® UG 30. On old exterior coverings that have been cleaned with an alkaline cleaner and primed with Okatmos® UG 30, always work in conjunction with a waterproofing (e.g. with Servoflex DMS 1K-schnell SuperTec or Servoflex DMS 1K Plus SuperTec).

Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate. Follow recent TTMAC and ANSI specification A108.01-3.7 „Requirements for Movement Joints: Preparations by Other Trades" or Tile Council of North America (TCNA) detail EJ-171 „Movement Joints— Vertical & Horizontal." Do not cover expansion joints with mortar. Follow additional installation and floor preparation guidelines located in the latest TTMAC and TCNA installation manuals.

PROCESSING

Mix Servoflex Pro with clean and cool water to the desired consistency without lumps. Remix it again after approx. 5 minutes slake time. Then, apply it to the substrate using the appropriate trowel, push the material to be laid into the adhesive bed, and press down within approx. 30 minutes.

Depending on the absorbency of the substrate/covering, corrections can still be made within approx. 25 minutes. Use the combined method (buttering-floating) outdoors or for large-format flooring material.

TECHNICAL PROPERTIES

Colour	light grey
Application	indoors and outdoors**, on walls and floors, submergible
Application thickness	max. 15 mm / ⅝"
Processing temperature	+5 °C to +25 °C /41 °F –77 °F (substrate)
Temperature resistance	–20 °C – +80 °C / -4 °F – +180 °F
Water ratio	approx. 5,1–6,0 ltr. / 15 kg powder approx. 1.3–1.6 US gal. / 33 lbs. powder
Slake time	approx. 5 minutes/remix it
Pot life	*approx. 2.5 hours
Working time	*approx. 30 minutes
Walkable* / groutable	*after approx. 12 hours
Commercial cure	*7 days
GISCODE	ZP 1 - low chromate according to TRGS 613
Storage	in the sealed original bag for approx. 12 months in dry rooms only
VOC	0.0 g/L

*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 during exterior installations. Apply mortar on the substrate and backside of tiles (Backbuttering procedure).

COVERAGE

Notch trowel / truelle à encoches	coverage (powder) / couverture
⅛" x ⅛" x ⅛" (3 mm)	145 ft^2. per bag (approx. 0.9 kg/m^2)
¼" x ¼" x ¼" (6 mm)	72 ft^2. per bag (approx. 1.8 kg/m^2)
½" x ½" x ½" (12 mm)	37 ft^2. per bag (approx. 3.6 kg/m^2)

Coverage is approximate and is given for estimating purposes only. It may vary according to substrate conditions and other factors.

CLEANING

Clean tools and tile surfaces immediately with water.

Packaging	54x 15 kg / 33 lbs paper bags Item no. 80361

The detailed technical data sheet for the product can be found at **ca.kiesel.com or us.kiesel.com**

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Note:
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. Please refer to the additional information in the technical data sheet.

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