

DATASHEET

Servoflex 5 royal

Thinset, medium bed and leveling/repair mortar with an accelerated hardness development

- individually adjustable mortar consistence, makes largely complete embedding of the coating material possible
- very high spreading rate
- for indoor, outdoor and underwater areas on wall and especially floor surfaces
- no efflorescence
- safe to process at lower temperatures
- also on hot screeds, balconies, terraces and façades
- long processing time, long working
- no sealing primer required on calcium sulphate screeds for large ceramic and stone tiles
- with Origin Consistency Effect



Ideal for
**Okalift
SuperChange**



Staubreduziert



PRODUCT DESCRIPTION

Plastic finishers, very productive, calcium aluminate cement bonded and dust-reduced thin bed / medium bed (fluid bed) and leveling mortar with high early strength and secure curing, even at low temperatures. For thickness of the application up to 20 mm indoors, outdoors and underwater.

In accordance with DIN EN 12004 C2 FTE-S1.

Servoflex 5 royal is particularly suitable for laying large-format coverings, fine stoneware and corresponding natural stone coverings on conditionally shapable substrates such as heated screed, cement-based screed and calcium sulphate, mastic asphalt screeds, existing concrete (at least 3 months old) and others. By increasing the added water to approx. 7 l/15 kg, a very pliable Mortar consistency is created, which facilitates a special bedding effect that allows largely cavity-free laying when using the floating process.

As a result, the use of the buttering floating process can be omitted. This applies to indoors. When laying

particularly large-format surface material, the combined process (buttering floating) may become necessary for optimum bedding of the surface material. As a result of the special binders, no efflorescence is possible when using **Servoflex 5 royal** e.g. outdoors. In addition, there is also increased resistance against acids and temperature tolerance compared to Portland cement-bonded products.

Servoflex 5 royal is classified according to GEV EMICODE EC1Plus.

Fulfils the guidelines for flex mortar.

SUBSTRATE PREPARATION

The subfloor must be dry, clean and stable. If laying on insecure underfloor the area size must be limited by expansion joints. Clean old coverings with an alkali cleaner. Pre-coat indoor absorbent substrates with **Okatmos® DSG**, **Okatmos® GG**, **Okamul SP** or **Okatmos® UG 30**. This applies to the max. thickness of 20 mm. On mastic asphalt screeds, the max. thickness is generally 5 mm.

Pre-coat non-absorbent substrates with **Okatmos® DSG** or **Okatmos® UG 30**. Outdoors, prime mineral substrates with **Okatmos® UG 30** or **Okatmos® DSG**. Prime **Okatmos® UG 30** or **Okatmos® DSG** on old horizontal coverings and apply the compound seal **Servoflex DMS 1K-schnell SuperTec** or **Servoflex DMS 1K Plus SuperTec**.

PROCESSING

Mix **Servoflex 5 royal** with clean water until smooth. Leave to stand for approx. 5 minutes and then mix again. Unevenness in the substrate can be leveled during installation. Larger unevennesses up to 20 mm are leveled by applying a leveling layer, which then has to harden for approx. 4-6 hours or until it can be walked on, before installation is started. Apply **Servoflex 5 royal** with a notched scraper suitable for the application area, which guarantees a largely fully-coated surface material, to the substrate and insert and push the surface material into the fresh adhesive bed. Depending on the absorbency of the substrate/coating, the laid material can be adjusted within approx. 30 minutes. **Servoflex 5 royal**, mixed and thickened in a bucket, can be stirred without adding water until hardening begins after 2.5 hours, also multiple times, in order to achieve the start consistency.

SPECIFICATIONS

Color	silver-grey
Application	inside, outside** and underwater***, on walls and flooring
Fully loadable*	after approx. 12 hours
Thickness of the application	max. 20 mm
Application temperature	+5 °C to +25 °C (substrate)
Temperature tolerance	-20 °C to +100 °C
Water demand	stable consistence: approx. 5.1 Liter / 15 kg powder floor consistence: approx. 7.0 Liter / 15 kg powder
Slack time	approx. 5 minutes (then mix once again)

Processing time*	approx. 2.5 hours, depending on mixing water content
Working*	approx. 30 minutes
Walkable* / ready for grouting*	after approx. 4 - 6 hours
Ready for exposure to rain *	after approx. 4 - 6 hours
GISCODE	ZP 1 - low in chromate, in accordance with TRGS 613
EMICODE	EC1 ^{Plus} according to GEV
Storage	in closed original container approx. 12 months, in dry rooms

* At +20 °C and 65 % rel. humidity

Higher temperatures lower these values and lower temperatures increase them correspondingly

** Outdoors and underwater, a largely complete bedding of the surface material is necessary.

IMPORTANT NOTICE

The above data, particularly any recommendations for mixing and using our products, is based on our knowledge and experience. Due to different materials and working conditions which are beyond our control, we strongly recommend that you carry out enough tests in each case to ensure the suitability of our products for the intended processes and purposes. We do not assume any liability in regards to this information or verbal recommendations, except in the case of wilful intent or gross negligence on our part. All previous versions of this data sheet are rendered invalid following the publication of this technical data sheet.

Our product range is aimed entirely at the professional craftsman. You will find we have everything for realising your high-quality projects for bonding (and life) on site. It is also worth taking a look at our design products and our highlight topics.

The customer is the focal point of our action. We live service concepts You can find our offers and services here.

COVERAGE

Tooth depth of the notched trowel	Coverage
4 mm (TKB C1)	approx. 0,8 kg/m ²
6 mm (TKB C2)	approx. 1,3 kg/m ²
8 mm (TKB C4)	approx 1,8 kg/m ²
10 mm (TKB C5)	approx. 2,3 kg/m ²
Medium bed/Buchtal trowel (TKB M1)	approx. 3,0 kg/m ²
per mm thickness	approx. 0,8 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 surface immediately with water.

PACKAGING

Product description	Item no.	Item no.
54 x 15 kg paper bags	13155	4015705131559

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