

DATASHEET

Servoperl royal

Flexible, water and dirt-repellent grout

- universal formula for walls and floors
- high mechanical durability and abrasion resistance
- for interior, exterior and submerged applications
- crack and shrink resistant
- mold and mildew resistant
- colour accurate and efflorescence free
- for 1-10 mm joint widths
- increased resistance to acids and alkaline solutions
- high resistance to household cleaning agents
- water and dirt repellent (hydrophobic)
- doesn't require sealer
- safe usage at low temperatures
- suitable for floor heating
- for absorbent coverings
- open to light traffic after 6 hours
- residential and commercial application



Ideal for
**Okalift
SuperChange**



PRODUCT DESCRIPTION

High-strength, specialty cement-based grout for joint widths from 1-10 mm. Due to a highly dense mortar structure, this cement-based grout provides particular characteristics regarding its mechanical durability and abrasion resistance. Special cements provide a substantially higher resistance to chemical cleaning agents compared to that of conventional cement grouts. This makes them suitable for use in coordination with the respective object users and cleaning agent suppliers.

Due to their superb processing characteristics and the fast setting process, washing- out of the joints is avoided.

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Servoperl royal can be used in interior, exterior and submersible applications. It is suitable for grouting ceramic surfaces, in particular stoneware, earthenware and porcelain stoneware in damp and wet areas, as well as heating screeds or drywall dividing walls and areas subjected to heavy use.

SUBSTRATE PREPARATION

High-strength, specialty cement-based grout for joint widths from 1-10 mm. Due to a highly dense mortar structure, this cement-based grout provides particular characteristics regarding its mechanical durability and abrasion resistance. Special cements provide a substantially higher resistance to chemical cleaning agents compared to that of conventional cement grouts. This makes them suitable for use in coordination with the respective object users and cleaning agent suppliers.

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PROCESSING

Check the suitability of the surface and also the surface manufacturer's instructions. To ensure the uniform colour of the joint, use only material from one batch. Before starting washing, grout must be almost entirely dry, and the joints clean and uniform in depth.

With clean, cold water, mix **Servoperl royal** to a smooth, paste-like consistency to a uniform colour. Let the mixture rest for 3-5 minutes (slake time) before mixing once again to ensure a smooth and workable consistency. Remove any foreign material and spacers from the grout joint. Fill in the joints firstly transversely and then diagonally, completely filling them. If the mixture begins to become more difficult to spread, simply mix again to attain proper consistency. avoid adding any water. As soon as the joints start to dry, wipe with a sponge, using as little water as possible.

Sufficient strength has been achieved when the grout can be slightly depressed with a fingernail. Also using a sponge, remove any extra grout traces/film still remaining within an hour. Do not dust off while in a wet state. Any leftover material which has already thickened must not be re-mixed. Avoid direct sun and draughts during the setting process. It is recommended that freshly grouted outdoor areas, or non-absorbent coating materials, be covered with a plastic poly and kept damp where necessary.

Note: **Servoperl royal** may scratch soft polished marble, glass or metal tile. Follow tile manufacture/ fabricator recommendations or test a small area prior to use to determine suitability.

SPECIFICATIONS

Color	white, silver grey, middle grey, pergamon, sahara, anthracite, shadow, desert sand, safari sand, mochacino, jasmine, topaz, manhattan, light brown, coffee, sand grey, basalt, snow, camel, bahama, universal grey, cocoa, bali brown
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Application	interior, exterior and submerged** areas
Joint widths	1-10 mm / 1/32"-3/8"
Application temperature	+5°C to +25°C (substructure)(41 °F-77 °F)
Temperature tolerance	-20°C to +80°C / (-4 °F-176 °F)
Water demand	approx. 0.9 litres / 5 kg powder / 0.23US gal per 11 Lbs
Processing time*	approx. 60-70 minutes
Walkable*	after approx. 6 hours
Slack time	3:5 minutes
GISCODE	ZP 1 - low in chromate according to TRGS 613
Storage	store under dry conditions, can be stored for approx. 12 months

* At 68 °F (+20°C) and 65 % rel. humidity.
 higher temperatures shorten and lower temperatures lengthen these values accordingly

** contact Kiesel technical department for further information

IMPORTANT NOTICE

To avoid staining, please observe the following:
 Low temperatures delay the setting process of the mixture, which can lead to discolouration. As a result of humidity from the substructure, efflorescence and staining can occur. Subsequent treatment of the set joint by scrubbing and cleaning with extremely diluted, acidic cleaning agents has proven to be effective. Water should be applied to the joint beforehand. On walls, work from top to bottom, and on floors, puddles should be avoided. Servoperlroyal is a cement-based product and is therefore not absolutely resistant to aggressive cleaning agents and to water with high chlorine content.

COVERAGE

Approx. 0.35 kg/m² for 15 cm x 15 cm tiles.
 Approx. 0.50 kg/m² for 10 cm x 10 cm mosaic.
 Approx. 1.00 kg/m² for 5 cm x 5 cm mosaic.
 Approximate Coverage table per 11 lbs. bag.

Tile size	Joint Width			
	1/16"	1/8"	1/4"	3/8"
	(1.5 mm)	(3 mm)	(6mm)	(9 mm)
1"x1"x3/16"	48	24	12	8

1"x1"x1/4"	36	18	9	6
2"x2"x1/4"	72	36	18	12
4"x4"x5/16"	114	57	29	19
4"x4"x1/2"	72	36	18	12
4"x8"x1/2"	96	48	24	16
6"x6"x1/4"	214	107	54	36
6"x6"x1/2"	108	54	27	18
8"x8"x5/16"	228	114	57	38
8"x8"x1/2"	142	71	36	24
10"x10"x5/16"	284	142	71	48
12"x12"x3/8"	285	143	71	48
12"x12"x5/16"	343	171	86	57
12"x24"x5/16"	455	228	114	64
16"x16"x5/16"	455	227	114	76
18"x18"x5/16"	515	256	128	86
24"x24"x5/16"	685	343	171	114
24"x48"x3/8"	760	380	190	127

CLEANING

Immediately clean tools with water after use.

PACKAGING

Product description	Item no.	Item no.
50 Units 4 x 5 kg special paper bag	14602 white	4015705146027
50 Units 4 x 5 kg special paper bag	14603 silver grey	4015705146034
50 Units 4 x 5 kg special paper bag	14605 middle grey	4015705146058
50 Units 4 x 5 kg special paper bag	14606 pergamon	4015705146065
50 Units 4 x 5 kg special paper bag	14607 sahara	4015705146072
50 Units 4 x 5 kg special paper bag	14608 anthracite	4015705146089
50 Units 4 x 5 kg special paper bag	14609 shadow	4015705146096

50 Units 4 x 5 kg special paper bag	14610 desert sand	4015705146102
50 Units 4 x 5 kg special paper bag	14611 safari sand	4015705146119
50 Units 4 x 5 kg special paper bag	14612 mochacino	4015705146126
50 Units 4 x 5 kg special paper bag	14613 jasmien	4015705146133
50 Units 4 x 5 kg special paper bag	14614 topas	4015705146140
50 Units 4 x 5 kg special paper bag	14615 manhattan	4015705146157
50 Units 4 x 5 kg special paper bag	14620 bali brown	4015705146201
50 Units 4 x 5 kg special paper bag	14621 light brown	4015705146218
50 Units 4 x 5 kg special paper bag	14623 coffee	4015705146232
50 Units 4 x 5 kg special paper bag	14624 basalt	4015705146249
50 Units 4 x 5 kg special paper bag	14625 sand grey	4015705146256
50 Units 4 x 5 kg special paper bag	14626 snow	4015705146263
50 Units 4 x 5 kg special paper bag	14627 camel	4015705146270
50 Units 4 x 5 kg special paper bag	14628 bahama	4015705146287
50 Units 4 x 5 kg special paper bag	14629 universal grau	4015705146294
50 Units 4 x 5 kg special paper bag	14630 cocoa	4015705146300
72 x 15 kg special paper bag	14645 silver grey	4015705146454
72 x 15 kg special paper bag	14646 middle grey	4015705146461

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.

Revised: 07/22/2019/me-dj