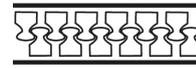


Flexible, water and dirt-repellent grout

Servoperl royal

- high mechanical durability and abrasion resistance
- for interior, exterior and submerged applications
- 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
- suitable for floor heating
- for absorbent coverings
- residential and commercial application



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.

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.

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, light grey, manhattan, medium grey, shadow, slate, anthracite, bali brown, light brown, desert sand, mochacino, sahara, safari sand, topaz, pergamon, jasmine, green, blue, red, creamy yellow
Application	interior, exterior and submerged** areas
Joint widths	1-10 mm / 1/32"-3/8"
Application temperature	+5°C to +25°C (substructure) 41F-77F
Temperature tolerance	-20°C to +80°C / -4F-176F
Water demand	approx. 0.9 litres / 5 kg powder / 0.23US gal per 11 Lbs
Processing time*	approx. 60-70 minutes
Ready for traffic *	after approx. 6 hours
Slake time	3:5 minutes
Marked according GefStoffV	Xi - irritant
GISCODE	ZP 1 - low in chromate according to TRGS 613
Storage	store under dry conditions, can be stored for approx. 12 months
*	At +20°C and 65 % rel. humidity. Higher temperatures shorten and lower temperatures lengthen these values accordingly.

Important notices

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. **Servoperl royal** 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

CHEMICAL RESISTANCE

ACIDS	
Formic acid <= 3 %	conditionally resistant
Acetic acid <= 2 %	resistant
Acetic acid <= 5 %	conditionally resistant
Lactic acid <= 5 %	conditionally resistant
Hydrochloric acid <= 2 %	conditionally resistant
Sulphuric acid <= 2 %	not resistant
Tartaric acid <= 5 %	conditionally resistant
Citric acid <= 2 %	resistant
Citric acid <= 5 %	conditionally resistant
Phosphoric acid <= 2 %	resistant
Phosphoric acid <= 5 %	conditionally resistant
ALKALINE SOLUTIONS	
Ammonia <= 25 %	resistant
Calcium Hydroxide <= 10 %	resistant
Caustic potash <= 10 %	resistant
Phosphoric acid <= 10 %	resistant
OILS	
Heating oil	resistant
Hydraulic oil	resistant

Engine oil	resistant
Cooking oil	resistant
SOLVENTS	
Aceton	resistant
Ethanol	resistant
Isopropanol	resistant
Xylol	resistant

Cleaning

Clean tools with water immediately after application.

Packaging

Packaging	Item no.
50 Units 4 x 5 kg Special paper bag	80130 white
50 Units 4 x 5 kg Special paper bag	80131 silver grey
50 Units 4 x 5 kg Special paper bag	80152 kaffee
50 Units 4 x 5 kg Special paper bag	80132 light grey
50 Units 4 x 5 kg Special paper bag	80143 manhattan
50 Units 4 x 5 kg Special paper bag	80133 medium grey
50 Units 4 x 5 kg Special paper bag	80140 shadow
50 Units 4 x 5 kg Special paper bag	80136 slate
50 Units 4 x 5 kg Special paper bag	80146 anthracite
50 Units 4 x 5 kg Special paper bag	80141 bali brown
50 Units 4 x 5 kg Special paper bag	80142 light brown
50 Units 4 x 5 kg Special paper bag	80137 desert sand
50 Units 4 x 5 kg Special paper bag	80139 mochacino
50 Units 4 x 5 kg Special paper bag	80135 sahara
50 Units 4 x 5 kg Special paper bag	80138 safari sand

50 Units 4 x 5 kg Special paper bag	80148 topaz
50 Units 4 x 5 kg Special paper bag	80134 pergamon
50 Units 4 x 5 kg Special paper bag	80165 jasmine
50 Units 4 x 5 kg Special paper bag	80210 bone
50 Units 4 x 5 kg Special paper bag	80211 stone grey

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: 23.05.2017/ho