



Silex®961

Reprofiling and filling mortar for concrete surfaces

Cement mortar filled with polymers, fibers and microsiliates for the repair of damaged concrete surfaces. With excellent adhesion to the substrate and concrete-like properties.

Advantages

- **Easy to process**
- **Stable**
- **Excellent adhesion to the substrate**
- **Shrinkage-compensated, hardens tension-free!**

Substrate

The substrate must be stable. Remove all loose parts, coating layers and impurities with suitable methods (brushing, blasting, milling ...) down to the solid core concrete. The surface must be dust-free and must not be contaminated with separating substances. Shortly before applying the reprofiling mortar, moisten the prepared surface with clean water. The concrete should be well damp but not glossy wet.

Application

Mix 25 kg Silex®961 and 3,5 - 4 liter water with a slowly rotating stirrer, depending on the desired / required consistency. Mixing time 3 to 5 minutes. After a short period of maturation, stir again thoroughly without adding water.

Silex®961 can be applied by hand or sprayed with the usual tools. When applying by hand, it is advisable first to submit a thin layer under strong pressure ("*crunching*") and then rework "*fresh in fresh*".



The processing time of the mixture is, depending on the temperature, about 40 - 60 minutes. Layer thicknesses of 40 - 50 mm on horizontal and vertical surfaces and 25 mm overhead should not be exceeded. If thicker levelling layers are required, apply the mortar in several layers.

IMPORTANT: In case of high temperatures, draught or direct sunlight, protect the fresh mortar from drying out too quickly for 2 - 3 days after installation by covering the surface with foil or damp sheets.

Product data

Aspetc	Grey powder
Composition	Special cements, silicate fillers, polymers
Bulk density	Approx. 1,8 g/ml (dry mortar)
Density	Approx. 2,0 g/ml (dry mortar)
Compressive strength	> 40 N/mm ² *
Flexural strenght	> 8 N/mm ² *
Adherence to substrate	> 1,5 N/mm ² *
E-Modulus	> 25 - 30000 N/mm ²
Consumption	Approx. 2 kg/m ² per mm layer thickness
Water demand	14 - 16 %
Packaging	PE bags 25 kg
Shelflife	12 months

*Mean values determined in the laborarory.

Storage Security

Silex®961 contains cement, reacts alkaline and irritates the skin. Do not breathe dust, avoid contact with eyes and skin (risk of serious eye damage!). In case of contact with the eyes, wash immediately with water. Rinse off and consult a doctor. Always wear suitable protective gloves and goggles/face protection when working.

Store Silex® 961 in a dry place. The product does not pose any particular hazards. Keep away from children and unauthorized persons.

A safety data sheet is available for this product and contains further informations about safe handling and disposal of Silex®961. The safety data sheet should be made available to all those who handle the product.

These technical information describe the present-day state of knowledge these product. They should only inform about the possibilities of application and could not release the applicator of his commitment to check the possibility to use the product for the required application. Information for processing can be found in processing instructions of our product. Information about safe handling can be found in our current safety data sheet.

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ARCAN Waterproof

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