



BlocSil®791 ASi

Antislip, self-crosslinking methacrylate seal

BlocSil®791 ASi „Antislip“ is a reactive, one-component product used to produce highly wear-resistant, transparent protective coatings (sealers) which are characterised by high slip resistance. BlocSil®791 ASi contains silicate nanoparticles and is miscible with water.

Films made of BlocSil®791 ASi are very hard, highly abrasion resistant, practically completely colourless, weather resistant and - typical for methacrylates - also absolutely resistant to UV radiation, so they do not yellow. They are also excellent because of their exceptionally high resistance to the migration of plasticizers. Car tyres - even hot and wet tyres (!) - leave no traces on BlocSil®791 ASi. And - coatings made of BlocSil®791 ASi are particularly slip-resistant, even in wet condition.

BlocSil®791 ASi is modified with silicate nanospheres. The nanoparticles significantly improve the slip resistance of wet surfaces and the abrasion resistance (and thus the lifetime) of the coating.

The adhesion of BlocSil®791 ASi to various substrates is excellent. The product is specially formulated as a slip and wear resistant protective coating for smooth (ground) slabs of concrete ashlar or absorbent natural stone such as travertine, shell limestone and similar coverings, but also for unglazed ceramics, terracotta and stoneware

Processing

The processing is simple. BlocSil®791 ASi is ready to use and is applied in two steps by rolling it on (coating rollers with a foam cover) or - for large surfaces and in production plants - sprayed on thinly and evenly in a high-pressure process ("air-less"). The substrate must be clean, dry and free of separating substances.

The material consumption is low. With the recommended application with foam rollers - for a double coating - a consumption of approx. 150 gr/m² can be calculated. With highly absorbent stones the consumption - especially for the first application - can be higher, if necessary preliminary tests are recommended.

BlocSil®791 ASi first dries physically - by evaporation of the water contained in the product as solvent. The drying time is short, but depends on the temperature, humidity and substrate.

Together with the film formation that starts during drying, the binder cross-links and thereby BlocSil®791 ASi achieves its high level of properties. For subsequent coatings with the same product, this reaction is of no importance; adhesion problems do not occur if there are long waiting times between individual operations.

Dried films of BlocSil®791 ASi are practically colourless, with a slight silky lustre. The natural effect of the treated surfaces is practically unchanged - apart from a slight colour intensification.

Tools, equipment and fresh dirt from BlocSil®791 ASi are cleaned with water. 2-3 % of a commercially available washing-up liquid are helpful in this respect.

Properties

Composition	Polymethacrylate resin, silicate nanospheres, additives and auxiliaries
Solvents	Water
Solid body	~ 48 %
Density	~ 1,03 gr/ml
Appearance	Lactic liquid
Layer consistency	Hard, clear, shiny, transparent
Consumption	100 - 150 gr/m ² (on smooth & dense surfaces)

Safety Storage Disposal

BlocSil®791 ASi is a none dangerous working material. It is non-flammable. However, the product must be stored in such a way that it is not accessible to unauthorised third parties and children. It will become unusable if exposed to frost. Recommended storage temperatures are + 5° C to + 30° C.

In closed original casks, BlocSil®791 ASi is storeable for at least 6 month. Please close used casks directly. Use within the next 8 weeks after opening.

Empty containers can be recycled after rinsing with water or drying out material residues. Liquid product residues are most easily hardened by mixing with cement or plaster and then disposed of as building rubble.

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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