

BETOGEL S

HIGH PERFORMANCE, INHIBITED AND
USER OPTIMISED **ETCHING GEL**



OVERVIEW

BETOGEL S is based upon a newly developed formulation of highly active ingredients. BETOGEL S is a ready-to-use, corrosion inhibited, almost odourless etching gel for the creation of micro-etched concrete surfaces.

BETOGEL S reacts with the cement matrix of the concrete resulting in an etched surface with a texture similar to sandstone. In addition the modified viscosity has been designed to minimise surface run-off thus aiding economical application.

The performance and effectiveness of BETOGEL S is comparable to similar products based on hydrochloric and phosphoric acid. Consumption rates are however optimised due to the products outstanding ability to adhere to concrete residue and spoiling.



AREAS OF APPLICATION

BETOGEL S can be used in almost all areas of architectural concrete production including but not limited to precast cladding, window sills, cornices, columns, precast concrete products and outdoor concrete furniture.

BETOGEL S can be applied to both recently cast as well as aged concrete.



GUIDANCE

BETOGEL S must be stirred well before first use. Following initial pre-wetting of the concrete apply the undiluted BETOGEL S onto the surface with a soft broom. On application the product will react with the alkalinity of the concrete surface and a visible foam will begin to form; the product should be evenly distributed and brushed onto the surface. By working the product onto the surface using a brush and extending the time the product remains on the surface will increase the etching effect.

Once the reaction is complete the surface should be thoroughly rinsed with water; warm water can also assist a more effective wash out. BETOGEL S must not be allowed to dry onto the surface of the concrete. In order to achieve the appropriate depth of etch multiple applications may be required and should be conducted as described above. Following the etching process we recommend the application of a surface protection product from our SICOROL series.



TRIALS

The length of time that the BETOGEL S should be left on the surface of the concrete should be determined during initial trials prior to final use. The exact reaction time can vary depending on factors such as the strength class, age and surface density of the concrete. It should also be noted that some release agents may cause a hydrophobic effect even several days after formwork removal, this can lead to increased BETOGEL S consumption.



TECHNICAL SUPPORT

Our application specialists are available to provide technical support and consultation:

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TECHNICAL DATA

FORM	Fluid gel
COLOUR	Off yellow
DENSITY	Approx. 1.17g/cm ³
PH-VALUE	<2
SHELF-LIFE	18 months from date of manufacture
STORAGE	Dry, clean and away from direct sunlight
CONTAINER	18 kg tub
CONSUMPTION	Approx. 0.1 –0.3 kg/m ² , per application
SAFETY	See EU safety data sheet

AT A GLANCE: FABRINO

FABRINO is a leading, specialist provider within the global construction industry, made up of two distinct business divisions; Architectural Concrete and High-Performance Fibers.

Our customers include precast and ready mix concrete manufacturers, construction companies, industrial floor providers as well as building material distributors. As well as providing for our direct customers the active support of our industry partners, including architects and contractors, is something we pride ourselves in.

OUR PRODUCTS

Architectural Concrete Division: Innovative products for the refinement, colouring and protection of architectural concrete and cast stone.

High-Performance Fibers Division: High-quality products for the reinforcement and enhancement of industrial floors, concrete slabs, exterior concrete surfaces, shotcrete, precast elements and railway lines.

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