

SICOROL F

WATER-BASED SURFACE IMPREGNATOR

CHARACTERISTICS

SICOROL F is a water-based, solvent-free, ready-to-use concrete impregnation product. It is a colorless solution and will not alter the finished color of the concrete.

By Using SICOROL F, protection of the concrete surface against common and aggressive contaminants like oil and dirt stains, moisture penetration and chemical attack can be achieved. The impregnated surface exhibits so-called "stain-stop properties" and becomes weatherproofed. Once treated the surface will repel dirt, oil and water. SICOROL F is UV resistant, weather-proof, vapour permeable and lessens the affects of scum on the concrete surface. SICOROL F increases resistance to the effects of freeze-thaw and de-icing salt. Additionally the surface growth of micro-organisms, algae and moss is markedly reduced. SICOROL F is able to penetrate deeply into the surface of concrete and has a good resistance against alkali reactions.

AREAS OF APPLICATION

SICOROL F is specifically designed to protect paving, precast elements and cladding from liquid and oil-based contaminants. Both new and older hardened concrete surfaces can be protected permanently. SICOROL F is particularly suitable for the treatment of absorbent concrete surfaces that have been previously finished by surface retarders, acid washing, sand blasting or hammering. It is not suitable for polished surfaces.

GUIDANCE FOR APPLICATION

Before SICOROL F is applied, the surface to be treated must be thoroughly cleaned to remove contaminants, scum, algae and moss, as well as any traces of release agent from the formwork. This can be achieved by using our specially designed cleaner SICOROL ZE. The surface must be completely dry before SICOROL F is applied.

SICOROL F should be sprayed onto the entire concrete surface in an even and consistent manner. The application is ideally completed in one operation.

Further impregnation after the first coat is not possible because the fluid-repelling characteristics of the product will have taken affect. Should further applications be required they must be made whilst the first is still wet.

The product's protective capabilities will be fully developed after approximately 2 days. Application is best carried out in dry weather with no wind. Air and surface temperatures should be between + 5°C and + 35°C. The surface to be treated should be protected from rain and strong sunlight during treatment and at least six hours after treatment. Conducting trials prior to final application is highly recommended.

CONSUMPTION

Approx. **100 – 250 g/m²**

Exact consumption rate are dependent on the structure of the surface and absorbency of the concrete.

TECHNICAL DATA

Form	liquid
Color	colorless to light brown
Density	approx. 1.00 g/cm ³
pH-value	5 - 7
Shelf life	1 year from date of manufacture
Storage	dry, protect from temperatures below 10°C and from direct sunlight
Container size	20 kg container 210 kg drum 1000 kg container

SAFETY

See European Union safety data sheet.

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