



TECHNICAL DATA SHEET & WORK INSTRUCTIONS

LiquiFoil LF01

Revision: 2026.1

Product description

A temporary, durable, peelable protective coating for glass, metals and other non-absorbing materials, One-component, pH-neutral, water-based, ready to use and inert to UV-stable.

Advantages

1. Protects in one treatment, the level of protection depends on the applied (variable) layer thickness
2. Prevents damage caused by contamination and scratches during e.g. building process or transportation, thereby reducing failure and repair costs
3. Environmentally friendly, water-based, non-flammable, non-hazardous
4. Easy and fast to process with a roller, brush, airless sprayer or HVLP
5. Non-aggressive; does not damage other facade materials
6. Easy to remove, does not adhere permanently and leaves no residue
7. Resistant to rain and wind once cured
8. UV-stable and fast curing

Technical properties

Colour	milky to light grey
Appearance	fluid (viscous)
Solvent	water
Density	1,0 - 1,1 g/cm ³
pH-value	7,5 - 9,5
Usage	3 - 10 m ² /l
Viscosity	5000 - 15000 mPa·s
Solid content	45 - 50%
Charge	anionic

Applicable surfaces

All types of glass (caution when applying to etched or sand-blasted side)

Also for ceramics, concrete, many types of metal and other coated, non-absorbing and not chemically reacting surfaces.



Reaction system

Physical drying: evaporation of water
Fast drying: air movement and temperature increase

Processing temperature

Between 10°C and 35°C. Do not apply when relative humidity exceeds 85%. Fast drying is possible with the use of hot air blowers (or an oven). If the temperature is lower, heat the product and the surface. Do not cover with other foil. Do not apply when the surface temperature is below 5°C or expected to drop below 5°C within 24 hours.

Pre-treatment

Surface must be free of dust, sand and silicones. Make sure LiquiFoil is not applied on absorbing, porous, or chemically reactive materials. Always test a small area to see if the result meets the expectations.

Instructions for use

Stir well before use. LiquiFoil must have a sufficient layer thickness for easy removal (minimum 100 micron wet). For long-term exterior protection, apply a 300 micron layer. Apply with roller or airless sprayer. Do not change the product composition. For easy removal, avoid contact with rubber seals and sharp edges, or make sure to have sufficient layer thickness. Be careful using LiquiFoil on soiled, frozen, etched or coated glass. Remove cleaning product residue, cement, glue etc. before applying LiquiFoil. If protecting window frames and rubbers, apply a thicker layer of LiquiFoil. Removal can commence after a minimum of 24 hours curing time. Prevent contact with absorbing or reacting materials. Use only in well-ventilated areas. Touch-dry after approximately 2 hours, completely cured within 24 hours (depending on temperature).

Processing thickness

<i>Usage</i>	<i>Thickness (wet)</i>	<i>Quality of protection</i>
3-4 m ² /l	250-300 micron	Extreme protection, > 1 year exterior
7 m ² /l	140 micron	Good, average protection, < 3 months exterior
10 m ² /l	100 micron	Minimum protection, for short period interior

Data for airless spraying

Nozzle tip	(4)17-(5)21
Pressure at nozzle	150 bar/2100 psi

Curing

Touch dry after	2 hours (20°C)
Fully cured after	24 hours (20°C)



Removal

Minimum temperature for removal is 5°C. Lift the LiquiFoil film at one corner and take it from the surface in one piece. Wet LiquiFoil with (warm) water if removal in one piece is not possible. If LiquiFoil sticks on cement residue or other contamination, apply additional warm water to soften the film. Knives, sharp objects or chemical agents are not necessary. After cleaning, remove all LiquiFoil remains from other surfaces such as masonry, stones, tiles, wood, etc. If you have applied too thin a layer that is harder to remove, you may also try applying an extra layer, let it dry, and continue with the removal.

Packaging

20 liter buckets/cans and 1.000 liter IBC
Custom packaging on request

Storage and shelf life

Shelf life: minimum 12 months when unopened
Store frost-free in a dry and cool place and keep container tightly closed

Intended use and application area

LiquiFoil LF01 is intended for the temporary protection of surfaces during construction, installation, transport, or renovation works.

The product is designed for time-limited protective applications and is not intended as a permanent coating.

Application on highly absorbent, porous, or chemically reactive substrates is not recommended.

Substrate Inspection and application

Before application, the substrate must be inspected for cleanliness, structural integrity, and suitability. It is recommended to apply a test area prior to full-scale application in order to verify compatibility, adhesion behaviour, and subsequent peelability.

The applicator is responsible for proper application and for compliance with the recommended film thicknesses and processing conditions.

Warnings

Deviations from the recommended application conditions may affect drying, adhesion, or subsequent peelability.

Problems may occur particularly on unsuitable or insufficiently prepared substrates.



Quality and safety provisions

Read the Safety Data Sheet (SDS) before use. Keep out of reach of children.

The effectiveness of the system is based on years of practical experience and laboratory testing.

The manufacturer/supplier warrants product quality in accordance with the specified characteristics, provided that application is carried out in accordance with these instructions and generally accepted technical standards.

The manufacturer/supplier shall not be liable for results adversely affected by improper application, unsuitable substrates, or factors beyond its control.

The purchaser must verify, using appropriate means, that the supplied product is suitable for the intended application.

Manufacturer/supplier

Gratch International BV

JF Kennedylaan 248 - 5981 WX Panningen - The Netherlands

+31 77 465 1095 - info@gratch.com