

Glass and Ceramic Coatings, recommended for all kinds of glass

## KEY FEATURES

Application Temperature	Coverage Rate per Litre	Durability of the Coating	Shelf Life of the Liquid	Storage Temperature	Curing Time
Nano EcoLine Glas Premium: -25 to +35°C (also in sunlight)	150 - 200 m <sup>2</sup>	Outside under German weather conditions Nano EcoLine Glas Premium: 3-5 years	2 years	-10 to +30°C	12 hours at 20°C (surface usable after one hour)

## PROPERTIES

- Clear, colourless liquid, virtually undetectable, surfaces look and feel the same after application but they may look slightly brighter.
- Easy to apply and re apply
- Resistant against frost and extreme heat or UV exposure, to salt, hard water minerals, seawater, salty air, domestic acid and alkali solutions e.g. within the range pH 2-12
- Anti-soiling, water and dirt-repellent
- Helps to prevent water marks, dirt, algae and bird fouling from adhering to glass
- No scraping, scrubbing or harsh chemical cleaners needed as soiling agents do not bond to the coated surface
- Protects windows from irreparable corrosion, abrasion and "salt burn in"
- Easy to clean effect, treated surfaces remain clean for prolonged periods, this reduces cleaning time and the costs for cleaning and care
- Drastically reduces cleaning frequencies, saving energy, time and cost
- Self-cleaning glass effect on vertical surfaces after heavy rain
- Reduces the growth of micro-organisms and bacteria
- Enhanced hygiene due to biostatic characteristics
- Will considerably reduce surface friction
- Long durability
- Contact angle approx. 104°C
- Heat resistance: 450°C short-term (seconds), 250°C long-term (hours)
- PH-value stable: 1-12,5
- Layer thickness 60 - 150 nm
- Inorganic
- Nano EcoLine Glas Premium TÜV tested on windscreens

Purchased from local supplier:

- Ethanol (EtOH): 99% or higher 19.3 litres
- Hydrochloric acid 37% (HCl): CAS No.: 7647-01-0: 40 g

## ALGT® glass & ceramic is ideal for use on glass and ceramic surfaces in environments such as

- Buildings e.g. glass facades/entrance doors
- Float glass
- Treatment of automotive glass (massively improves visibility in rainy conditions), durability: Nano EcoLine Glas Premium: up to 6 months, Nano EcoLine Glas Premium: up to 12 months.
- Treatment of solar/photo-voltaic plants (higher efficiency)
- Anti-soiling coatings of ceramic and enamel conservatories
- Sanitary ware (shower screens, splash-backs, mirrors, basins, toilet)
- Glazed ceramic tiles
- Ceramic bathtubs, showers, sinks, swimming pools
- Windows, sliding doors, skylights, louvre windows balustrades kitchens

## PACKAGING & SHIPPING

Art. No.	Bottle / Canister
CM.7601GLPR/	1 000 ml bottle
CM.7601GLPR/	200 litre barrel

**CM.7601GLPR/**

## QUALITY STANDARDS

Test	Description
ISO 11507	Artificial weathering with fluorescent UV lamps + water (method A)
DIN 55620-1+2	Determination the contact angle
DIN EN ISO 11998:2008	Determination of the wet-scrub resistance and cleanability of coatings
TÜV	Test on windscreens: 1) Perl effect from 40 km/h 2) Easy--to-apply 3) streak-free
DIN 1249 part 12, DIN 18516, part 4, DIN EN 12150	Test Flexural Strength on Safety Glass
CCM lab	Contact angle
TÜV	Pencil + scratch hardness, hydrophobic effect, contact angle