



Technical Data Sheet

Nanobright Coating

for Glass Lens

Product Information

Nanobright Coating for Glass Lens is a hydrophobic and oleophobic nano coating developed specifically for glass surfaces. It forms a transparent protective layer that repels water, oil, and grime – helping to keep lenses clean and free from stains. The result is improved visibility and reduced maintenance in demanding working conditions.

Application Surfaces

- Glass

Do not apply the product on surfaces including:

- Thermosets & Thermoplastics

For transparent thermoset and/or thermoplastic surfaces like cell phone screens, vehicle headlights and taillights, instrument clusters, glasses, optical displays and such having similar top coatings; Nanobright Coating for Plastic Lens is recommended instead.

Benefits & Key Features

- Water and oil repellency.
- Slow contamination.
- Chemical resistance.
- UV resistance.
- Easy to clean.

Instructions

Surfaces must be dry and free of any dust, oil, grease and other contaminants.

Application should be carried out in a shaded and well-ventilated area.

- It is recommended to try on a small area before covering the entire surface.
- The product is sprayed onto a 0.5 m² area in an appropriate amount using the trigger bottle.
- Immediately buff the surface with a dry cotton cloth using circular motions.

Curing

Room Temperature Curing

Dry to touch: 3 h at 23°C - 50% RH

Full curing: 24 h at 23°C - 50% RH

Application Tips

Ensure that the temperature and relative humidity (RH) of the application space are as close as possible to the given values to achieve the highest product performance.

Only work on cool surfaces.

If necessary, prepare the surface by applying Nanobright Cleaner to remove any dust or contamination and dry with a clean, lint-free microfiber cloth prior to use of the product.

Shake the product gently before use.

Do not work on an area larger than 0.5 m² at a time. Coincidence of coating areas during the application does not constitute a problem.

Spray an adequate amount of product onto the surface with respect to the area and start buffing gently with the cotton cloth in a circular motion.

If the coating dries on the surface before you buff, or if you don't buff the surface sufficiently and because of that a hazy look occurs, immediately spray a little bit more product onto that spot and buff it again to solve the visual problem.

Curing

When the coated surface is dry to touch, it can be handled/packed. Full curing process will continue.

Specifications

Packaging	50 mL
Appearance	Colorless Liquid
Chemical Resistance	13>pH>1
Saltwater Resistance	Yes
Moisture Resistance	Yes
Dry Film Thickness	75-100 nm
Consumption per Unit Area (Manual Application)	5 mL/m ²
Density @23°C	0.81 g/cm ³
pH Value	1.9-2.2
Transparency	99%
Light Refractive Index	1.625 (Glass)
Application Temperature	5°C-30°C (≤50% RH)
Temperature Durability	275°C
Water Contact Angle	106° @10 µL



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Water Contact Angle After 3000 Wet Scrub (ISO-11998:2006)	100° @10 µL
Water Sliding Angle	15° @60 µL
Oil Contact Angle	84° @10 µL
REACH Compliance	Yes

Specifications for recommended cloth

Blend	80% Cotton & 20% Polyester
Weight	300 gsm

Durability

Up to 2 years
80000 wipes

Storage

To achieve a high quality of coating, keep the containers tightly closed in a dry, well-ventilated space away from heat and ignition sources, stored at -3°C to +30°C. The shelf life of product is 24 months from the date of production when stored in the unopened container under suggested storage conditions. After opening the container, it is recommended to use up the product within 1 month.

Removal

Once the product is cured, it is very difficult to remove it from the surface. In such a case, product removal can only be achieved by polishing with a special cutting compound. To avoid any harmful consequences generated due to the surface correction process, read the instructions carefully.

Disclaimer

The technical information described in this document is based on tests and other practical experience that Nordic Lights believes are reliable. Nordic Lights cannot guarantee anything but ready to use quality of the product at the time of shipment, disclaims any liability for product performance and incidental or consequential damages, according to self-implementation within the user's knowledge, beyond the manufacturer's control. Please refer to the Safety Data Sheet (SDS) before use of product.

Users should consult Nordic Lights for guidance on the suitability of specific applications. Nordic Lights reserves the right to change the given data without further notice.