TECHNICAL DATA SHEET
FJELL

Product Information

FJELL is an ultimate nano ceramic coating for car body paint, lights, black plastics and trim surfaces which protects your car against scratches, bird droppings, acid rains, UV irradiation, detergents and several chemicals. FJELL, with its ultra-high gloss finish, rejuvenates the original color of the surface and ensures the vehicle has an attractive look.

Application Surfaces

FJELL can be applied to painted body surfaces of vehicles, as well as hard plastic parts, headlights, taillights, and rims. Don't use on chromated and unlacquered painted plastic parts, fresh paint jobs (up to 3 months), low-quality paint jobs.

Instructions

- Surfaces should be dry and free of any dust, wax, oil, grease and other contamination.
- Prepare the surface by using C-ROX CLEANER to improve the bonding performance of the nano coating.
- Place a suede cloth onto the applicator block's sponge surface.
- Open the lid and pour the necessary amount of product onto the suede cloth.
- Spread the product gently over the surface in a crisscross motion.
- Once beading occurs (it takes 30 seconds in normal conditions), gently wipe the excess product off from the surface using the microfiber cloth in linear motions.
- Keep the coated surfaces away from direct sunlight, the elements, various types of contamination, and water exposure for 24 hours.

Application Tips

FJELL has been developed for both end users and professionals. Application to a mid-size car takes 60 - 90 minutes. Ensure that the temperature and relative humidity (RH) values (+5°C to +30°C / 41°F to 86°F / 50% RH) of the application space are as close as possible to suggested condition in order to obtain maximum product performance.

If the ambient temperature or relative humidity value is higher than suggested intervals / values, the product may cure faster than expected. Avoid direct sunlight during the application and only work on cool surfaces.

Wash your vehicle thoroughly. If required, apply clay bar. After decontamination, apply polishing / compounding with appropriate tools and silicone / wax-free cutting compounds in accordance with the physical condition of your vehicle's surface. When polishing is complete, wash the vehicle and ensure that all the application areas are thoroughly dry. A compressed air gun may be used to eliminate the risk of water dripping from trims and joints.

Prepare the surface by using C-ROX CLEANER to improve the bonding performance of the nano coating. Ensure that there isn't any residual contamination and dry the surface with a lint-free microfiber cloth. Do not work on areas larger than 1 m^2 per session.

Before using the product, wear the protective nitrile gloves included in the box. Place a suede cloth onto the applicator block's sponge surface. Change the suede cloth every 3-4 panels. Shake the product gently before use. Open the lid and pour the necessary amount of product onto the suede cloth. 4-5 mL is enough for 1 m^2 area. Do not forget to keep the lid closed during the application.

Spread the product gently over the surface in a crisscross motion. Once beading occurs (it takes 30 seconds in normal conditions), gently wipe the excess product off from the surface using the microfiber cloth in linear motions.

To make the most of microfiber cloths, fold each one four times before application and do not re-use the side of the cloth you used. If it is too late for the first wiping step, the product may cure on the surface, making wiping harder or even impossible.

In that case, the product should be removed from the surface by polishing or sanding. After correction, the product should be re-applied properly.

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After wiping the surface with the microfiber cloth, complete the final buffing process by gently using the C-rox microfiber cloth in circular motions.

Keep the coated surfaces away from direct sunlight, the elements, various types of contamination, and water exposure for 24 hours.

Please wait 48 hours for the nano coating to cure and become resistant to abrasion and chemicals, before any detergent-based washing.

Benefits & Key Features

- High Hydrophobicity
- High Chemical Resistance
- Soft Touch with Suede Cloth
- Matchless Gloss Effect
- Crystal Gloss
- 10H Scratch Resistance
- Ergonomic Applicator Block

Specifications

Packaging	30-50 ml/ 1-5-20 L
Appearance	Colorless liquid
Durability	Up to 10 years
Chemical Resistance	12>pH>1
Salt Water Resistance	Yes
Moisture Resistance	Yes
Pencil Hardness (ISO-15184:2012)	10H
Dry Film Thickness	800-1100 nm
Consumption per Unit Area	4-5 mL/m^2
Density @23°C	0.87 g/cm^3
pH Value	5.5-6
Dry to Touch Time	4h
Application Temperature	5°C-30°C (≤50%RH)
Temperature Durability	150°C
Water Contact Angle	107° @10 µL
Water Contact Angle After “3000 Wet Scrub (ISO-11998:2006)	101° @10 µL
Water Sliding Angle	11° @20 µL
Oil Contact Angle	87° @10 µL
Gloss Rate @60° (ISO-2813:2014)	96 (Acrylic)
REACH Compliance	Yes

Consumption

Small Vehicles (A-B Class)	30-35 mL
Medium Vehicles (C-D Class)	35-40 mL
Large Vehicles (E Class & SUV)	40-50 mL

Recommended Cloth Specifications

Model	Microfiber Clothes
Blend	70-80% Polyester & 20-30% Polyamide
Weight	250-350 gsm

Storage

To achieve a high product effectiveness, keep the unopened packaging in a dry, well ventilated space away from heat and ignition sources, stored at -3℃ to + 30℃ / 26.60 ℉ to 86 ℉. The shelf life of product is 24 months from the date of production when stored in the unopened packaging under suggested storage conditions, while bulk volumes the shelf life is 12 months. After opening the container, it is recommended to use the product within 1 week. After every use, it is recommended to close the lid in order to avoid product loss by evaporation.

Disclaimer

The technical information described in this document is based on tests and other practical experience that C-rox believes are reliable. C-rox 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 C-rox for guidance on the suitability of specific applications. C-rox reserves the right to change the given data without further notice.