TECHNICAL DATA SHEET

HAV

Product Information

HAV gives hydrophobic, UV resistant and easy to clean properties to film-coated surface without spoiling the physical properties of glossy, matte, and satin surfaces.

Application Surfaces

- Paint Protection Films (PPF)
- Polyurethane (PU) – Matt & Transparent
- High Quality PVC Films
- Vinyls

Do not apply product on finishes including:

- PPF w/ Bubbles
- Absorbent Surfaces
- Temporary Road Films
- Any Film Without Resistance to Solvents

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.
- Pour the necessary amount of product onto the suede cloth.
- Spread the product gently over the surface in a crisscross motion.
- Once beading occurs, gently wipe the excess product off from the surface using the microfiber cloth in linear motions.
- Once beading occurs (it takes 30-45 seconds in normal conditions), gently wipe the excess product off from the surface using the microfiber cloth in linear motions.
- For the first 48 hours, do not wash the surface with shampoo or detergents. The vehicle can be taken outdoors 24 hours after the application.

Application Tips

For best results, ensure that the environment where the application will take place is as close as possible to the recommended levels of temperature and humidity (23°C and 50% relative humidity). Apply in a shaded area. Only apply to surfaces that are not too cold or warm. Wash your vehicle thoroughly and gently. If necessary, should the PPF surface is suitable, polishing treatments can be applied using silicone-free products. Dry the vehicle thoroughly to prevent water drops on the surface during application. Eliminate any dust and dirt on the surface before application using C-ROX CLEANER. Ensure that the surface has thoroughly dried. Partition the application area visually or with masking tape. Do not work on a partition larger than 1 m² at a time. Overlapping edges of partitions do not cause issues during application. Shake the product gently before use.

Carefully remove the cap. Place the small suede cloth on the block applicator, and apply the necessary amount of product (depending on the size of the application area) onto the cloth. Recap the bottle in order to prevent air contact. Using the suede cloth, spread the product throughout the surface in horizontal and vertical movements. Using the enclosed microfiber cloth, carefully wipe any excess product off the surface within 30 – 45 seconds. Avoid causing swirls during this step. You can use a lighting system to ensure there is no product residue left on the surface. Throughout the curing time, keep the coated surface away from direct sunlight, excessive dust, water, and other contaminants. For the first 48 hours, do not wash the surface with shampoo or detergents. The vehicle can be taken outdoors 24 hours after the application.

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Benefits & Key Features

- High Hydrophobicity
- High Chemical Resistance
- Does not block self-healing
- Extends Film Life
- Easy to Clean

Specifications

Packaging	30-50 ml/ 1-5-20 L
Appearance	Colorless liquid
Durability	Up to 2 years
Chemical Resistance	12>pH>1
Salt Water Resistance	Yes
Moisture Resistance	Yes
Consumption per Unit Area	2-3 mL/m^2
Density @23°C	0.845 g/cm^3
pH Value	7.5-8.5
Dry to Touch Time	4h
Application Temperature	5°C-30°C (≤50%RH)
Water Contact Angle	101-106° @10 µL
Water Contact Angle After “3000 Wet Scrub (ISO-11998:2006)	95° @10 µL
Water Sliding Angle	12-16° @20 µL

Consumption

Small Vehicles (A-B Class)	20-30 mL
Medium Vehicles (C-D Class)	30-40 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 product has a shelf life of 24 months from the date of production when stored in unopened packaging under the recommended storage conditions, while for bulk volumes the shelf life is 12 months. After opening the container, it is recommended to use the product within 1 month. 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.