



INSTALLER GUIDE

INTERIOR COATING V3

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Chemical resistance: pH5 – pH12

Thermal threshold on treated surface (onset of degradation): 300°C

Liquid substance repellence of treated surface:

- Distilled water droplet average contact angle – 105-110°
- Vegetable oil droplet average contact angle – 80-90°

Hologram (swirls) reduction during application:

- Micro-mesh >7000
- FEPA sandpaper grade >P5000

Consumption rate: 4-6 ml/m² or 30ml per mid-sized sedan

Curing time (recommended):

2 hours (tropical/humid) / 12 hours (temperate/dry) or 0.5 hour Infrared assisted

- Surface dry (unaffected contact with water/rain)

4 days (tropical/humid) / 7 days (temperate/dry) with or without infrared assisted curing

- Unaffected contact with cleaning solutions
- Unaffected contact with contaminants
- Exposure to harsh environmental conditions

(Exposure before curing may result in diminished bonding, early deterioration of coating, occurrences of water-spotting, etching or corrosion)

Appearance after curing: Optically transparent, visibly increased reflectivity for gloss surfaces, natural look for leather, darkening of matte surfaces

Solvent incompatibility:

N-Methylpyrrolidone (NMP), Tetrahydrofuran (THF), Chloroform, Ether.
(the use of products containing these solvents during application causes swelling/gelation)

Products containing solvents such as acetone, 1-propanol, methanol, water, 2-propanol (IPA) in small amounts can be used with no significant impact.
(Contact Artdeshine to find out about product compatibility.)



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Technical Specifications

Contains ingredients (General terms): polydimethylsiloxane, naphtha petroleum, bis[3-(triethoxysilyl)propyl]amine,

Solubility with water (in bottle): Not miscible

Appearance and odour (in bottle): Clear viscous solution, non-pungent odour

Capabilities listed are maximum approximates and based on a single coat application on automotive leather/PVC upholstery and plastic trims that has been cleaned, decontaminated and appropriately prepared. More information for preferred after-care to maximise durability available.

Bonding durability (normal conditions): 1 Year

- 60 washes pH neutral
- Climate range -20°C to + 35°C

Bonding durability (extreme conditions): 1 Year

- 30 washes pH 4>12
- Climate range -40°C to + 40°C

Hydrophobic properties durability (normal conditions): 1 Year

- 60 washes pH neutral
- 30 washes pH 4>12

Bonding durability (Leather & PVC upholstery): 1 Year

- 20 washes pH neutral fine bristles/sponge

Durability will be affected if cleaning method utilises harsh bristles.

Average coating thickness: 1.0 – 3.0 µm (micrometre/micron)

Surface suitability: All automotive interior upholstery (leather/PVC), all materials of interior fittings (matte/gloss)

(installing on other areas of automotive may affect durability)

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Application

Before application of product, ensure surface is stripped of all existing products (waxes, sealants and spray detailers etc.).

Working area should

- Minimise levels of dust, moisture, heat and environment contaminants for maximum bonding effectiveness.
- Have sufficient lighting for better visibility of both top facing surfaces and side facing surfaces. Combination of warm (<3000K) and cool lighting (>4000K) will help with a proper installation.
- Have appropriate ventilation systems to avoid inhaling of vapours/gas
- No open flames, lighted cigarettes, running ovens or heating devices (blow torches, heat guns etc.)

Do not apply product under direct sunlight or a heated surface.

- Optimal surface temperature < 25°C.
- Optimal ambient temperatures < 32°C

If natural sedimentation occurs, shake the bottle well to evenly disperse the product and wait 1 minute before uncuring cap slowly to release gas build-up

1. Make all necessary preparation like compounding, polishing, claying, decontamination, washing and cleaning before application process.
2. Utilise panel wipes, isopropyl alcohol (IPA), silicone removers to remove oil, fillers and polishing compounds. (e.g. Artdeshine Prep)
3. Drip 3ml (6ml if priming applicator) drops of product by dragging tip of bottle in a straight line to and fro on any suede, microfiber applicator block or pads.
Low GSM MF towels are best suited for flexibility to apply onto hard to reach areas.
4. Apply onto surface no larger than 1.0m x 1.0m in circular motion and cross-hatch motion for even coverage.
5. Applied product should look like spreading liquid glue, not dripping wet.
6. Starting from the edges of applied area, wipe off excess with a clean and dry microfiber (MF) towel. (grabby feeling MF towel is normal for this step)
7. Starting from the edges of applied area, wipe off excess with a clean and dry microfiber (MF) towel. (grabby feeling MF towel is normal for this step)
8. Using another clean and dry MF towel, buff off all residue, hazing, high-spots and smears in circular motion.

9. Check for any remaining high-spots, smearing, uneven colour tones and streaking.
10. Ensure surface is clear and surface feels slick. (smoothness can be felt when buffing with MF towel)
11. Repeat step all steps for adjacent areas. Take extra care at edges where applied and un-applied surfaces meet. Always apply and buff over the edges to ensure smooth joining.

Multiple coats is not necessary and can be a wastage of product. A maximum of 2 coats will be more than sufficient and to cover any missed out areas and enhance coating mechanical strength.

To apply multiple coats, allow 2 hours (tropical/humid) or 12 hours (temperate/dry) in between coats.

Do not apply other coating, sealant, wax and spray detailer products immediately before and after application as this will affect the performance and bonding.

Any issues should be resolved using above methods in the first 15 minutes after application as the coating will not have started curing.

Last resort removal 1 hour after application can be done with Artdeshine Prep or any panel wipes and IPA.

After 24 hours, any issues will have to be resolved by removal of the coating and re-applying. This can be done with a polishing machine using fine pads and compounds.

Recommended After-Care (Before Full Curing)

Before 0.5 hour (infrared assisted) or 2 hours:

- Do not allow surface to be exposed to rain or water.
- Do not sit on or touch coated surfaces.
- Do not allow surface to come into contact with harsh substances (bird droppings, plant sap, bug splatter, cleaners, shampoos etc.).
- If contact occurs, gently clean with damp MF towel or soft napkin using fresh water. Wipe dry with another dry MF towel or soft napkin.

Before 7 days with or without infrared assisted curing:

- Do not allow surface to come into contact with harsh substances (bird droppings, plant sap, bug splatter, cleaners, shampoos etc.).
- If contact occurs, wipe gently with damp MF towel or soft napkin using fresh water.
- If substance has dried, place slightly wet MF towel or wet napkin to soften before wiping off gently.
- Exposure to rainwater will not affect curing process.
- However, ensure that rainwater is not on the surface for prolonged periods by drying with MF towel when weather permits.
- Any harsh substances or rainwater on surface exposed to sunlight and heat may cause stains, marks and spotting on uncured coating.
- Cleaning can be done with a damp MF towel using fresh water. Wipe and dry gently.
- Cleaning can also be done with Artdeshine GrapheneSeal and Bio Nano in higher dilution (1:19) with fresh water.

Recommended After-Care (After Full Curing)

Every 4 months:

- Clean leather & upholstery with clean water and pH neutral shampoo (e.g. Artdeshine AlkClean or CitrusClean) using fine brush/sponge.
- Wipe interior fittings with wet MF towel and diluted pH neutral shampoo.
- Application of ceramic spray sealants. (e.g. Artdeshine Bio Nano or GrapheneSeal is safe for interior use)

Do not apply any other coating, wax or sealant products as additional or top coats unless recommended by Artdeshine as it may affect or alter the coating's performance. Water soluble products like spray sealants are milder and more suitable. More information on product compatibility or other Artdeshine products for after-care is available through your distributors or contact Artdeshine directly for more information

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Storage and Warning

This serves as basic and commonly needed information for safe handling and use of products. Material Safety Data Sheet available upon request for more specific information.

Shelf-life:

- 2 years unopened
- 6 months after unscrewing cap

Storage environment:

- < 30°C ambient temperature or gelation may occur.
- Keep containers securely sealed.
- Store in a cool, dry, well-ventilated area.
- Segregate from alcohol, water.
- No smoking, naked lights, heat or ignition sources.
- Do NOT store near acids, or oxidising agents.

Sedimentation:

- May occur if stored still for more than 1 month
- Shake well until product is evenly dispersed or before use
- Always uncap carefully to release gas build-up after shaking bottle

DANGER.

Hazard Statements:

H304: May be fatal if swallowed and enters airways.

H336: May cause drowsiness or dizziness.

H314: Causes severe skin burns and eye damage.

Precautionary Statements

P260: Do not breathe mist/vapours/spray.

P264: Wash all exposed external body areas after handling.

P271: Use only outdoors or in well-ventilated areas.

P301+P310+P330+P331: IF SWALLOWED: Immediately call a POISON CENTER/ doctor/first-aider. Rinse mouth, do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Remove contaminated clothing. Rinse skin with water.

P405: Store locked up.

P403+P233: Store in a well-ventilated place. Keep containers tightly closed.

P501: Dispose of containers/content to authorised hazardous or special waste collection points in accordance with local regulations.



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