FEYNLAB®

PROTECTION PERFECTED

INTERIOR CERAMIC



PRODUCT OVERVIEW AND SPECIFICATIONS

FEYNLAB® INTERIOR CERAMIC delivers a durable nanotechnology barrier across hard interior surfaces, protecting against UV degradation, staining, and daily wear. These instructions are intended for professional installers. Read all sections before beginning.

Product	**FEYNLAB® INTERIOR CERAMIC**
Application method	**Microfiber applicator, crosshatch or overlapping pass technique**
Intended surfaces	**Leather, vinyl, plastic trim, rubber, carbon fiber interior panels**
Flash time	**1 to 2 minutes per panel section**
Initial cure	**24 hours before exposure to liquids or contact**
Full cure	**7 days for maximum chemical and abrasion resistance**
Application temp	**15 to 30°C (59 to 86°F); avoid direct sunlight**
Shelf life	**1 year unopened; 3 months opened, properly stored**
Coverage	**Varies by surface porosity; apply in thin, even layers only**

INCLUDED

30 ml (1 oz) FEYNLAB® INTERIOR CERAMIC

APPROVED SURFACES FOR APPLICATION

DO NOT APPLY TO UNAPPROVED SURFACES*

Designed for hard and semi-hard interior surfaces. Always test in an inconspicuous area before full application on unfamiliar materials.

01 **Leather****
02 **Vinyl**
03 **Plastic trim panels and dashboards**
04 **Carbon fiber interior panels**
05 **Rubber seals and trim**
06 **Door cards and pillar trim**
07 **Center consoles and instrument panel hard surfaces**

NOT RECOMMENDED / USE WITH CAUTION

01 **Raw or unfinished suede**
02 **Alcantara and similar microsuede**
03 **Fabric upholstery**
04 **Perforated leather (avoid pooling in perforations)****
05 **Painted interior surfaces**

*The use of FEYNLAB® products on any surface not explicitly listed in the instructions booklet is done at the user's own risk. If damage occurs to the surface as a result of using the product on an unlisted surface, we will not be held liable for any such damage.

**This coating is designed for genuine leather with its original factory finish. Do not use it on refinished, light, or bright colored leather without first testing a hidden area, as these surfaces may bleed dye or suffer color distortion. FEYNLAB® assumes no liability for damage to these surfaces.

REQUIRED TOOLS AND MATERIALS

ITEM	SPECIFICATION / NOTES
FEYNLAB® INTERIOR CLEANER	pH-neutral, non-residue formula. FEYNLAB® ALL PURPOSE CLEANER at recommended dilution or equivalent. Avoid solvent-based or high-alkaline products.
Microfiber applicator pads	One applicator pad is typically sufficient for a full interior job.
Clean microfiber towels	Minimum 300 GSM, lint-free. Keep a separate buffing towel from the wipe-down towel.
Interior masking tape	Low-tack, residue-free. Protect stitching, glass, and adjacent surfaces during application.
FEYNLAB® PANEL PREP or light IPA mixture	Always use a residue and streak free final wipe such as FEYNLAB® PANEL PREP or a mild IPA mixture. Do not oversaturate, especially porous surfaces.
Nitrile gloves	Required. Chemical-resistant nitrile only – not latex.
Safety glasses	Required during handling and application.
LED / inspection light	For verifying coverage, identifying high spots, and confirming flash before buffing.
Soft-bristle detailing brush	Optional. For textured surfaces, seams, and stitched panels.

ENVIRONMENT AND WORKING CONDITIONS

CONDITION	REQUIREMENT
Temperature	15 to 30°C (59 to 86°F). Cold slows flash time; excessive heat accelerates flash and increases risk of high spots.
Humidity	30% to 70% relative humidity. Low humidity accelerates cure; high humidity may extend flash time and affect bonding.
Sunlight	Never apply in direct sunlight. Work indoors. UV exposure causes premature curing.
Ventilation	Adequate airflow required. Do not apply in an enclosed space without ventilation.
Surface temperature	Surface must be at ambient room temperature before application begins.
Vehicle preparation	Remove all debris and contamination before any coating application begins.

SAFETY REQUIREMENTS

Wear chemical-resistant nitrile gloves at all times. Repeated exposure may cause skin sensitization.

Wear safety glasses. If product contacts eyes, rinse immediately with water for 15 minutes and seek medical attention.

Do not ingest. Keep out of reach of children.

Ensure adequate ventilation. Avoid prolonged inhalation of vapors.

Do not use near open flame or ignition sources.

If skin contact occurs, wash thoroughly with soap and water.

SURFACE PREPARATION

Surface preparation is the most critical factor in coating adhesion and longevity. Contamination sealed beneath the coating causes bonding failure and premature degradation. Do not skip any step.

01 **Remove loose debris**
Vacuum all surfaces using a soft-bristle brush attachment. Pay attention to panel gaps, control surrounds, and door card edges.
Note: Do not begin wet cleaning until all loose debris is removed.

02 **Clean all surfaces**
Apply pH-neutral interior cleaner and agitate with a microfiber towel or brush suited to the material. Use dedicated leather cleaner on leather; diluted FEYNLAB® ALL PURPOSE CLEANER works well for this as well as plastics and vinyl when properly diluted.
Note: Do not apply any conditioner, dressing, or protectant during this step – residues will prevent coating adhesion.

03 **Final decontamination wipe**
Perform a final wipe with FEYNLAB® PANEL PREP or an IPA prep solution using light pressure and straight motions. Do not over saturate, and be careful with perforated surfaces. Ensure the surfaces are fully dry before moving on.
Note: Do not use IPA on bare, aniline, or semi-aniline leather. A final wipe with a dry, clean microfiber is sufficient on those surfaces.

04 **Inspect the surface**
Under an inspection light, examine each surface for contamination, scratches, or damage. Address any physical defects before coating – FEYNLAB® INTERIOR CERAMIC protects but does not correct.

05 **Masking**
Apply masking tape to stitching, glass edges, and trim transitions.

PRODUCT PREPARATION

01 **Shake the product**
Shake vigorously for a minimum of 2 minutes, ensuring the metal ball is moving freely. Nano-compounds settle during storage; inadequate mixing causes uneven performance.
Note: After shaking, remove the cap and allow 1 minute of off-gassing before loading the applicator.

02 **Load the applicator**
Apply a small amount of product to a clean, dry microfiber applicator pad. Start conservatively – overloading leads to streaking, buildup, and difficult buffing.
Note: Never apply product directly to the surface. Always load the applicator pad first.

APPLICATION

Work in sections of approximately 1 to 2 square feet at a time. Apply, flash, and buff each section before moving to the next.

01 **Apply using crosshatch or overlapping passes**
Apply with a crosshatch pattern (horizontal then vertical). Use consistent, moderate pressure – do not press hard into the surface.
Note: On textured surfaces, work the product slower and with extra passes, to ensure you get proper coverage within the texture.

02 **Avoid oversaturation**
Apply a thin, even layer only. If the surface appears wet, pooling, or glossy, you've applied too much. Wipe down immediately with a dry microfiber before flash begins.

03 **Monitor flash time**
Allow 1 to 2 minutes of flash time per section. Warmer/drier conditions shorten flash; cooler/humid conditions extend it.
Note: Do not buff before flash is complete or the coating will smear. Do not wait too long or it will over-cure and create high spots, and visibly uneven coverage.

04 **Buff the surface**
Using a clean, dry microfiber towel, lightly buff in circular or straight motions with minimal pressure. The goal is to level the coating, not remove it. If the surface feels tacky, reduce the dwell time for the next section. Turn the towel frequently.

05 **Inspect and continue**
Under your inspection light, check for high spots or streaks after each section. High spots can be corrected immediately with a slightly damp microfiber. Proceed section by section in a consistent order: pillars and headliner transitions first, then instrument panel, center console, door cards, and finally seat surfaces. You can also reapply more coating to the area and level again.

CURING AND POST-APPLICATION CARE

No liquid exposure, cleaning, or contact for a minimum of 24 hours after application.

Avoid physical contact during initial cure – finger oils and pressure can mar the coating before it sets.

Full chemical and abrasion resistance requires 7 days. Avoid aggressive cleaning or contact during this window.

CURE STAGE	REQUIREMENTS
Initial – 24 hrs	No liquid exposure, no contact, no cleaning.
Intermediate – 48 to 72 hrs	Normal use permitted; avoid aggressive contact or soiling where possible.
Full cure – 7 days	Maximum hardness, chemical resistance, and stain resistance achieved.

ONGOING MAINTENANCE

Use a pH-neutral interior cleaner for routine maintenance – FEYNLAB® ALL PURPOSE CLEANER at interior dilution is recommended. Avoid aggressive scrubbing.

WARNING: THE FOLLOWING PRODUCTS WILL DEGRADE THE COATING

High-alkaline cleaners – break down the ceramic matrix.

Solvent-based cleaners, dressings, or protectants – dissolve the coating bond.

Silicone-based dressings or conditioners applied over the coating – create an incompatible surface layer.

Abrasive wipes or scrub pads — physically thin and scratch the coating over time.

Bleach or high-concentration oxidizing disinfectants.

Reapplication
Reapply as needed when liquid beading diminishes, soiling resistance decreases, or visible wear appears in high-contact zones such as seat bolsters, armrests, and door pull handles. Clean and decontaminate per Section 6 before applying a maintenance coat.

