

VUNYX® INNOGUARD PLUS FILM

12 YEARS WARRANTY



Technical Data Sheet

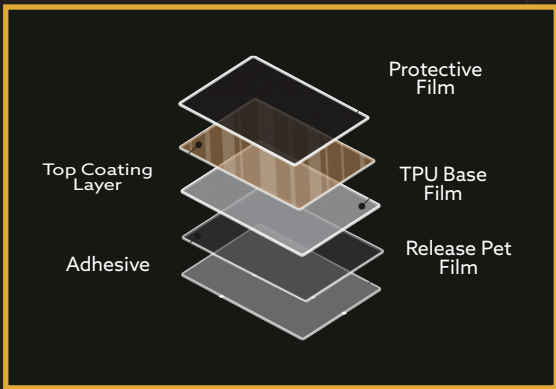
Vunyx® Innoguard Plus Film

Introducing Onyx Coating's latest advancement in automotive enhancement: the Vunyx® Innoguard Plus Film. This sophisticated product transcends conventional paint protection, featuring our pioneering stain-resistant technology. This innovative solution ensures a pristine, mirror-like finish for vehicles while minimizing the need for extensive maintenance. Elevate your automotive care standards and spend more time on the road with Vunyx® Innoguard Plus Film by Onyx Coating.

Custom-tailored for unparalleled business efficiency and superior results, our innovative features include:

- **Adaptive Design:** Our film’s superior flexibility ensures easy adaptability around challenging areas like edges, bumpers, and mirrors. This means fewer seams and simpler applications.
- **Precision Liner:** A distinct liner highlights cut lines, ensuring precise applications, which translates to cost savings and minimizes wastage.
- **Water-Repellent Essence:** Save on those regular car washes and enjoy a perpetually clean vehicle with our film’s inherent hydrophobic properties.
- **Elevated Aesthetics:** Transform vehicles into sheer luxury, boasting a brilliant and radiant gloss.
Self-Repair Tech: Our state-of-the-art polymer tech ensures minor scrapes and scratches become a worry of the past.
- **Assured Protection:** Our 12 years warranty is a testament to our faith in Vunyx® Innoguard Plus Film, offering robust defense against common wear and tear factors. (Please refer to the warranty terms and conditions www.onyxcoating.com).
- **Resale Value Amplified:** Keep the vehicle’s original charm intact, ensuring a favorable market price when upgrading.
- **Dual-Action Topcoat:** This unique topcoat offers a two-fold Défense: it actively repels stains while also boasting natural water resistance, ensuring your vehicle stays pristine against bird residues, insect marks, and various on-road environmental challenges.

PRECISION LINER:



Features Your Customers Will Adore:

- **Easy Application:** The film’s design ensures even first-time users find the application process smooth.
- **Enhanced UV Protection:** Shield the car’s paint from the harsh rays of the sun (prevent 85% of UV rays), preventing fading and maintaining its vibrant color.
- **Non-Yellowing Properties:** Vunyx® Innoguard Film is formulated with advanced UV inhibitors and anti-aging agents that prevent yellowing and discoloration caused by sun exposure and environmental factors. This ensures that the film retains its clarity and transparency, preserving the vehicle's original paint color and finish.
- **Cost Savings:** Long-term protection means fewer visits to repair shops and reduced maintenance costs over the vehicle’s lifetime.
- **Peace of Mind:** With Vunyx® Innoguard Film on the guard, customers can rest easily knowing their investment is securely protected against most external threats.

PROPERTIES	NOMINAL VALUE	ASSESS METHOD
Topcoat thickness	15µm	ASTM D 347
Base ATPU film thickness	175µm	ASTM D 347
Acrylic PSA average thickness	25µm	ASTM D 347
Acrylic PSA average thickness	1545gf/inch@20min 2187gf/inch@24h	GB/T 2792
Gloss 60 degree	>93GU	ASTM D 2457
Gravelometer	Pass-no penetration	GM 9508P-02
Elongation@break	>370%	ASTM D 882
Tensile strength	23Mpa	GB/T 1040.1
QUV weathering-2000 hours	No visual change ASTM	G154-16 Circulation 1
Gasoline	Samples were submerged in chemicals for 60 minutes followed by visual inspection in 24 hrs.	Pass, NDE
Motor oil		Pass, NDE
Soap & water	Samples were submerged in chemicals for 60 minutes followed by visual inspection in 24 hrs.	Pass, NDE
Isopropyl alcohol		Pass, NDE
Mild acid (pH 9+)		Pass, NDE
Windshield washer fluid		Pass, NDE

DESCRIPTION	THICKNESS	ROLL SIZE
Product Specification	8.5mil	60"*50'

GENERAL CHARACTERISTICS	
Service Temperature Range	-40°F to 212°F (-40°C to 100°C)
Shelf Life	2-Years stored at 70°F (21°C) and 50% RH
Recommended installation environment temperature	15°C – 30°C

Notice: The representation of performance and suitability for use contained in this technical data sheet is meant only as a guide. Since only the user is aware of the specific conditions in which the product is to be used, it is the user’s responsibility to determine whether the product is suitable for the intended use.



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