

## Major Applications

Next generation Nano - Ceramic Coatings for,

- ✓ Clear automotive finishes
- ✓ Automotive PPF & vinyl films
- ✓ Aircraft protective applications
- ✓ Marine protective applications
- ✓ Both ferrous and non-ferrous metals and alloys
- ✓ Corrosion resistant applications

# ONYX

COATING



## Nano Shield Ceramic

### Product Overview

Nano Shield Ceramic is next-generation ceramic coatings suitable for paint, plastic, metals, aluminums. The coatings can be easily applied by spraying the coating directly onto the surface. Our patented technology allows the coatings to deeply penetrate the surface and form a secure and tight bond, thus creating a thick ceramic protective layer. The flashing time for the product varies according to the temperature of the surface and the surrounding and humidity levels. We highly recommend finding the correct application time before usage.

This product has outstanding chemical resistance, gloss, hardness, sleekness, and water repellency.

### Technical Data

→ APPEARANCE	Clear
→ FINISH	Outstanding Gloss
→ CHEMICAL RESISTANCE	Grade 5 (Min 0 Max 5)
→ COVERAGE	108 sqft / 1.8 ounce (50 ml)
→ SHELF LIFE	12 months from manufacturing date when unopened and stored dry at 18° C (64° F) to 23° C (73° F)
→ DURABILITY	Up to 1 Years with condition of proper maintenance
→ PENCIL HARDNESS	9 H
→ FILM THICKNESS	200~400nm
→ SALT SPRAY (ASTM B117)	@ 35° C (95° F), 5% salt concentration, > 400 hrs to first sign corrosion
→ ADHESION CROSS - CUT TAPE (ASTM D33)	5b (0%, none)
→ MANDREL BEND (ASTMD522)	0% @ 180° rotation
→ IMPACT (ASTM D2794)	80/80 in/lbs
→ WATER REPELLENCY	120° at 20 µL, glass
→ OIL REPELLENCY	60° at 20 µL, glass
→ ROLL-OFF ANGLE	11~15° at 20 µL, glass