



Graphene

GRAPHENE CERAMIC COATING



DESCRIPTION

JADE Graphene is a clear, nano-crystalline, graphene-oxide modified ceramic coating that protects automobile exterior surfaces from weather, chemicals, physical abrasion and UV rays while repelling water, dirt and other contaminants via a self-cleaning effect. JADE Graphene applies an ultra hard, inert, durable coating film that is up to several microns thick and imparts a deep, reflective shine. JADE Graphene, like JADE Emerald, is a workhorse coating that has been modified by graphene-oxide to have improved properties over a quartz coating.

INSTRUCTIONS

Shake well before use. Saturate a suede applicator or similar with numerous drops of material from the dripper bottle. Apply the coating to a 3x3 ft area of the vehicle using a cross-hatch pattern with slight overlap to level the product. Allow the coating to dwell for 2-3 minutes at ambient temperatures and gently remove excess product using a clean suede cloth or low nap microfiber towel.

Do NOT allow coating to come in contact with water for 24 hours while curing - if it does, remove water promptly. Apply additional coats with at least one hour between applications. Do NOT apply in direct sunlight or to a hot surface. Cure time is dependent on environmental conditions - test product on a small inconspicuous area first to gauge cure time. If force curing, dry in a booth at 60°C for 40 minutes or use a portable short-to-medium wavelength infrared lamp for 10-15 minutes per section.

GENERAL INFO.

Cautions: Can cause eye irritation. Excessive inhalation may cause respiratory irritation. Ingestion can cause gastrointestinal irritation. Prolonged skin contact may cause slight irritation. Harmful if swallowed.

First Aid: If product comes in contact with eyes, flush with water for 15 minutes, call physician if irritation persists. If product is inhaled, remove to fresh air, call physician if irritation persists. If product is ingested, do NOT induce vomiting, call a physician.

TRANSPORT

DOT: UN 1993, PG III
 IMDG: 5L
 IATA: 10L



PHYSICAL & CHEMICAL PROPERTIES

- Physical State: Liquid, Solvent
- Appearance: Clear, Black, Likely to Contain Black Particulates in Suspension
- Odor: Characteristic
- Flash Point: 45°C | 113°F
- pH: N/A
- Specific Gravity: 0.94 g/cm³ @ 25°C
- Density: 7.88 lbs/gal @ 77°F
- Longevity: 48-60 Months | Up to 5 Years
- Hardness: >10H (ASTM D-3363)
- Thickness: 4-5 micron | 4000-5000 nanometers
- Adhesion: 5B - No Coating Loss (ASTM D-3359)
- Mandrel Bend: No Coating Loss @ 180° (ASTM D-522)
- Impact: 80/80 inch-lbs (ASTM D-2794)
- Temperature Resistance: 1200-1800°C | 2200-3300°F
- Contact Angle: 110-118°
- Sliding Angle: 10-15°

