

**PRODUCT NAME: Quartz - Ceramic Coating**

**DESCRIPTION:** Jade Quartz is a clear, nano-crystalline ceramic coating that protects automobile substrates from weather, chemicals, physical abrasion and UV rays while repelling water, dirt and other contaminants via a self cleaning effect. Jade Quartz applies an ultra hard, inert, durable coating that is several micron thick and imparts a deep, reflective shine.

**DIRECTIONS:** 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<sup>2</sup> area of the vehicle using a cross-hatch pattern with slight overlap to level the product. Allow the coating to cure for 5-10 minutes 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 48 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 dependant on environmental conditions - test product on a small inconspicuous area first to gauge cure time.

**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.

## PHYSICAL & CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**APPEARANCE:** Clear, Colorless

**ODOR:** Characteristic

**FLASH POINT:** 49°C / 121°F

**pH:** N/A

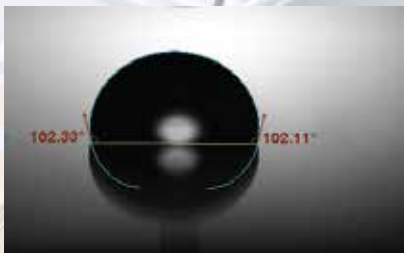
**SPECIFIC GRAVITY:** 1.053 g/cm<sup>3</sup>

**DENSITY:** 7.92 lbs/gal

**LONGEVITY:** Up to 4 Years

**HARDNESS:** >9H (ASTM D-3363)

**CONTACT ANGLE:** 100-110° (Clear Coat)



**THICKNESS:** 2-3 micron

**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

**COEFFICIENT OF FRICTION<sub>AVG.</sub>:** 0.429273 (MARK-10)

