

HAS TRADING LIMITED

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Part # 2699

Issue date: 22nd August 2018 * Issue version: 1.2 * Owner: Bryan Gao

Product Name: 9H LIQUID BEAD

Description: HAS-PPF™ 9H LIQUID BEAD is a permanent nano ceramic and hydrophobic coating, and specifically engineered for the professional detailer. Its unique ultra concentrated SiO₂ formula will leave a Mirror-Like clear coat with extreme 9H hardness. This product contains the latest SiO₂ technology.

Applications / Surfaces: apply to painted surfaces, and allow multiple layer coating.

Regulatory

Regulatory	Value
Product Name	9H LIQUID BEAD
Part #	2699
Brand	HAS-PPF
Product Form	Glass Bottle
Size	30 ml
Product Shelf Life	1 year "Unopened bottle"
Expected Wear Life	> 18 months

Physical Properties

Physical Properties	Value
Physical State	Liquid
Color	Clear
Scent	Mild
Base Type	Alcohol based
Flash Point	20°C
Specific Gravity @ 23°C	1.05 g/cm ³
Viscosity @ 23°C	1.85 cP
Nonvolatile Content	41%
Static Contact Angle, Water	105°C
Static Contact Angle, N-Hexadecane	62°C
Abrasion Resistance, ASTM D2486, Isopropyl Alcohol	>2300
Abrasion Resistance, ASTM D2486, IPA and Flux	>2300
Thickness of One Layer Coating After Dry	80 to 200 microns
Pencil Hardness	9H

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Curing Time:

- In the temperature of 30 Celsius Degree with the relative humidity of 65%, after 7 hours, a thimble size of this coating liquid will transform from liquid to solid.
- 24 hours after being applied, the coating can reach 7H.
- 72 hours after being applied, the coating can reach 9H.

Application Instructions:

1. After removing the PREP, pour some drops of 9H LIQUID BEAD on microfiber cloth and lightly apply it on the car paint evenly.
2. Wait 3-5 minutes.
3. Wipe the treated areas very lightly again.
4. Keep dry on the coating for 24 hours.

Cautions:

- In the event of contact with skin, wash skin thoroughly with soap and water.
- Always wear safety goggles or splash shield to avoid splashing into your eyes. Do not wear contacts without eye protection.
- If drop gets into your eyes immediately flush eyes with water for 15 minutes. If eye irritation occurs after rinsing seek medical attention.
- If accidentally swallowed, rinse mouth thoroughly with water. In case of discomfort, obtain immediate medical attention.

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