



Product Specification Report

ARMOR ALL PROFESSIONAL[®] VELOCITY CLEAR COAT PROTECTANT

CLASSIFICATION:

- Clear Coat Polish Products

PRODUCT DESCRIPTION:

- A rich dream-sicle scented liquid containing polymeric silicones that provides luster and durability to clear coats and other painted surfaces.

FEATURES & BENEFITS:

- Advanced protection against acid rain, road salt and other environmental pollutants.
- Prevents surface degradation such as paint oxidation and dulling.
- Enhances luster.
- Improves water repellency.
- Eliminates window streaking.
- Dream-sicle scented for customer appeal in self-serves high pressure automatics, and all conveyor car washes.
- Designed to be foamed-on or low pressure spray applied.

PHYSICAL CHARACTERISTICS:

- Form Liquid
- Color Yellow - Tan
- Odor Orange Vanilla
- Foam Medium
- pH (1%) 6.0
- Specific Gravity 0.95
- Pounds per Gallon 7.4
- Kilogram per liter 0.95
- Phosphorus Content None
- Hard Water Tolerance Up to 15 grains
- Biodegradability Complete biodegradable

PACKAGE SIZES & PRODUCT NUMBERS:

Size Available	Product Number
2x2.5 Gal (18.9L)	V41336

APPLICATION GUIDE / USE INSTRUCTIONS:

Recommended Dilutions:

<u>Application</u>	<u>Ratio</u>	<u>Comments</u>
• In-Bay HPA	1:256 to 1:171	Dema injector, use a clear tip or a turquoise tip
• Self-Serve High Pressure	1:1200 to 1:800	Inject into high pressure water at a rate of 0.33 to 0.50 ounces per minute
• Conveyor	1:256 to 1:128	Concentration in water may vary depending on water pressure, flow rate, nozzles, etc.
• For low pressure applications, the use of Spraying Systems FJ8004 Foam Jet Nozzle or K-Nozzles with air injection will enhance application show.		

TITRATION PROCEDURE:

TITRATION PROCEDURE - VCD test kit

1. Rinse and fill vial the 20 ml line with solution to be tested.
2. Add five (5) drops of Quat indicator #41. Mix by inverting vial.
3. Titrate with Quat 50X Titrate #043 or Quat 10x titrate #042, one (1) drop at a time, counting and mixing between drops until the color changes.
4. Record the number of drops. Use the appropriate column on the titration chart below to get product to water ratio.

ALTERNATIVE TITRATION PROCEDURE – NCS COMBINATION TEST KIT (SKU# - KT5700)

1. Rinse and fill vial the 10 ml line with solution to be tested.
2. Add three (3) drops Sulfuric acid 0.5N (SKU# - KT570023). Mix by swirling vial
3. Add five (5) drops of QAC Indicator Solution (SKU# - KT570021). Mix by swirling vial.
4. Titrate with QAC DT Solution (SKU# - KT570019), one (1) drop at a time, counting and mixing between drops until the color changes.

Record the number of drops. Use the appropriate column on the titration chart below to get product to water ratio.

ALTERNATIVE TITRATION PROCEDURE - ARMOR ALL PROFESSIONAL® CAR WASH & NCS VEHICLE CARE INC. CAR WASH TITRATION KITS

1. Rinse and fill vial the 10 ml line with solution to be tested.
2. Add five (5) drops of Drying Agent Indicator Solution. Mix by swirling vial.
3. Titrate with Dying Agent Titration Solution, one (1) drop at a time, counting and mixing between drops until color changes.
4. Record the number of drops. Use the appropriate column on the titration chart below to get product to water ratio.

TITRATION CHART:

	Titrate #043 (50x)	Titrate #042 (10x)	QAC	Drying Agent Solution
RATIO	DROPS	DROPS	DROPS	DROPS
Sample Size	20 ml	20 ml	10 ml	10 ml
1:1200	-	11	3	3
1:800	-	16	4	4
1:600	-	19	6	5
1:400	8	-	8	7
1:256	13	-	13	11
1:171	16	-	19	16
1:128	18	-	26	21

Ratio/Drops above the highest recommended use dilution are for testing concentrated product or sump solutions

HEALTH, SAFETY, STORAGE & FIRST AID INFORMATION: See Product SDS