



# Product Application & Results

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**PRODUCT:** **Horizon<sup>®</sup>** **Stock # 1245**

**Description:** High foaming alkaline, concentrated liquid presoak and high pressure detergent. Designed for frictionless systems, but also aids cleaning in hybrid and friction systems. Outstanding results when used as a single-stage cleaner, however, specifically formulated to be used as the second step in a 2-step cleaning application.

**Color:** Amber

**Scent:** Fresh Lemon

**Foaming Ability:** Moderate to High

<u>Features</u>	=	<u>Benefits</u>
Titratable	=	Quickly determine dilution
Biodegradable	=	Acceptable to waste water treatment.
High Foaming	=	Good coverage, nice presentation.
Scented	=	Increased customer appeal and affirmation.
Highly Effective	=	Excellent removal of dirt, oils, and road film.

<u>Application</u>	<u>Dilution Ratios</u>		
<u>Frictionless Systems</u>	<u>Strongest</u>	<u>Weakest</u>	<u>Average</u>
High Pressure cleaning & Prep Guns	1:250	1:500	1:350
Foam or Spray - Low-pressure presoak	1:50	1:120	1:80
Bumper Prep	1:40	1:60	1:50
<u>Friction &amp; Hybrid Systems</u>	<u>Strongest</u>	<u>Weakest</u>	<u>Average</u>
High Pressure cleaning & Prep Guns	1:250	1:500	1:350
Foam or Spray – Low-pressure presoak	1:100	1:150	1:120
Bumper Prep	1:50	1:90	1:60

Required strength of product dilution will vary depending on cleaning conditions and type and condition of equipment used.

## Guidelines for Application

**Water Quality:** Use SOFT WATER for best performance! In hard water (over 0 grains) increase strength by 10% for each grain of water hardness (1:60 + 10% = 1:54). Trying to clean in frictionless washes with water over 2 grains of hardness is not recommended.

**Solution Temperatures:** Summer: 70-90°F, Winter: 90-140°F. This product works at peak performance when the temperature of the diluted solution on the vehicle surface is between 120-140°F.

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**Guidelines for Application (continued)**

**Dwell time:** Recommend from 15 to 25 seconds between presoak and high-pressure rinse. Decrease dwell time if vehicles are hot to avoid increasing the product concentration through evaporation of the water.

**Economy:** Reduce volume through alternative nozzling, equipment changes. Do not over-heat dilution water as it wastes energy and can decrease product effectiveness.

**Alternative Products**

**The EDGE<sup>®</sup>** High alkaline presoak with a Bold & Fresh scent.

**One Step Plus<sup>™</sup>** lower cost alternative presoak without reclaim abilities.

**The Option<sup>®</sup>** Low cost presoak alternative.

**Advantage<sup>®</sup> or Performix<sup>®</sup>** Premium alkaline presoaks with reclaim settling abilities.

<b>Titration Chart For Horizon<sup>®</sup></b>		
This chart uses the "Standard Alkaline Titrant" and a water blank must be titrated to subtract from your total drops before comparing to the curve.	<b>Dilution</b>	<b>Drops</b>
	1:50	29
	1:60	25
	1:70	22
	1:80	19
	1:90	18
	1:100	16
	1:110	15
	1:120	14
	1:150	12
	1:200	9
	1:300	7