



Product Application & Results

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PRODUCT: **Ultraflex® Blend 103** **Stock # UF103**

Description: Ultra concentrated high foam liquid component of alkaline presoaks for tire & wheel and friction type of car washes. Intended for use together with any of the Ultraflex® Bases. Contains highly effective surfactants for maximum cleaning and economics. Product optimized for quick penetration of road film and emulsification of oil components in dirt on car surface.

Color: Green liquid

Scent: Mild

Foaming Ability: High`

<u>Features</u>	=	<u>Benefits</u>
Ultra Concentrated	=	Convenience and Value.
Highly Effective	=	Excellent removal of dirt, oils, and road film.
Surfactant based chemistry	=	Safety and good cleaning effectiveness.
Biodegradable	=	Acceptable to waste water treatment.

<u>Application</u>	<u>Base/Blend Ratios</u>		
<u>Tire & Wheel</u>	<u>Strongest</u>	<u>Weakest</u>	<u>Average</u>
Presoak - Base 021 and Blend 103	6:1	10:1	8:1
Presoak - Base 031 and Blend 103	6:1	10:1	8:1
<u>Friction & Hybrid Systems</u>	<u>Strongest</u>	<u>Weakest</u>	<u>Average</u>
Presoak – Base 031 and Blend 103	8:1	15:1	12:1

Ultraflex® Blend 103 can be drawn direct together with Base solution from ClearMix™ 55 by using checkhub (P21000001) and single tip configuration.

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 5 grains) increase strength by 10% for each grain of water hardness.

Solution
Temperatures: Cleaning will improve if applied with warm (100°F) water. Warm water is especially recommended in colder weather. Presoaks based on Ultraflex® Alkaline Bases and Blend 103 work at peak performance when the temperature of solution on the vehicle surface is between 100-120°F.

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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 nuzzling, equipment changes. Do-not over-heat dilution water as it wastes energy and can decrease product effectiveness.

Special Instructions

Normal clear PVC vinyl draw tubing (P20010002-100) should be used from the reservoir to the point of dilution.

Viscosity – temperature relation

Viscosity of this product changes with temperature as shown in the chart below (water viscosity at 72°F = 1 centipoises, cp). Significant change in product temperature requires ADJUSTMENT of metering tips or pump setting to keep similar flow of product through metering devices.

Temperature, °F	Viscosity, cp
40	24
50	20
60	17
70	15
80	13
90	12
100	11
110	10