



Product Application & Results

1997 American Blvd. • P.O. Box 5606 • De Pere, WI 54115-5606 • 800-225-2231 • Fax: 920-337-9410

PRODUCT: Ultraflex® Blend 104 **Stock # UF104**

Description: Ultra concentrated liquid component of alkaline presoaks for any type of car wash. Intended for use together with any of the Ultraflex® Bases. Contains highly effective surfactants and citrus solvent d-limonene for maximum cleaning and economics. Product optimized for quick penetration of road film and dissolution of oil components in dirt on car surface.

Color: Blue liquid

Scent: Intense Citrus

Foaming Ability: Medium

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

<u>Application</u>	<u>Base/Blend Ratios</u>		
<u>Touchless In-Bay</u>	<u>Strongest</u>	<u>Weakest</u>	<u>Average</u>
Presoak - Base 021 and Blend 104	8:1	15:1	12:1
Presoak - Base 031 and Blend 104	6:1	15:1	13:1
<u>Friction & Hybrid Systems</u>	<u>Strongest</u>	<u>Weakest</u>	<u>Average</u>
Presoak – Base 021 and Blend 104	9:1	18:1	14:1
<u>Self-Serve</u>	<u>Strongest</u>	<u>Weakest</u>	<u>Average</u>
Presoak – Base 021 and Blend 104	10:1	20:1	15:1

Ultraflex® Blend 104 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.

Blend 104 can also be used as a secondary Blend in conjunction with other Ultraflex® Blends. For this type of application use 1 part UF104 to each 3-4 parts of the primary Blend.

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.

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Solution Cleaning will improve if applied with warm (100°F) water. Warm water is especially recommended in colder weather. Presoaks based on Ultraflex®
Temperatures: Alkaline Bases and Blend 104 work at peak performance when the temperature of solution on the vehicle surface is between 100-110°F. Product performance is reduced at surface temperature over 120°F.

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

UF104 will quickly cause normal draw tubing to become brittle and crack due to the solvent in the formula. It is MANDATORY to use the following tubing from the reservoir to the point of dilution:

Tygon Fuel and Lubricant tubing, Formulation F-4040-A 1/4” I.D. x 3/8” O.D.

This tubing can be purchased from:

Supplier	Catalog number
Cole-Parmer, 1-800-323-4340, www.coleparmer.com	R-95633-03
US Plastic Corp., 1-800-537-9724, www.usplastic.com	57330

ClearFlo Fuel & Oil tubing .250 x .375”. This tubing can be purchased from:

Supplier	Part number
New Age Industries, 1-215-526-2300, www.newageindustries.com	1110102

USE VITON FOOT-VALVES & VITON SEALS ON METERING DEVICES.

Viscosity – temperature relation.

Viscosity of this product changes with temperature according to 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	39
50	29
60	22
70	18
80	14
90	12
100	10
110	9