



Product Application & Results

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

PRODUCT: Ultraflex® Alkaline Base 021 Stock # UF021

Description: Moderate strength alkaline granular detergent base for a variety of cleaning applications. The high-tech builder combination provides an excellent base for Touchless cleaning as well as other tough cleaning tasks. This alkaline base is made into a standard solution using the “Clear Mix 55 – Drum Mixer” and should be combined with various Ultraflex® Blends for a variety of applications.

Color: Yellowish Powder

Scent: None

Foaming Ability: None

Features	=	Benefits
No Fillers	=	Fully active for full value.
Totally Dissolves	=	Mixes easily, easy on pumps and metering devices.
Titratable	=	Quickly determine dilution ratio.
None-Phosphate chemistry	=	Eco-Friendly for use in any car wash market.

Application

Dilution Ratios

	<u>Strongest</u>	<u>Weakest</u>	<u>Average</u>
High Pressure Cleaning & Prep guns	1:100	1:300	1:200
Low Pressure Presoak	1:20	1:50	1:35
Tire & Wheel Cleaner Application	1:5	1:20	1:10
Cool-down Arch	1:200	1:300	1:250

CSI Clear Mix 55: Follow instructions on the mixer and add product only when the liquid is above the mixing blade. Allow the mixer to complete each cycle prior to adding the next bag and starting the next cycle.

Solution of Alkaline Base 021 can be drawn direct from the mixer using checkhub and single tip configuration. Refer to application sheets of Ultraflex® Blends for ratios between Alkaline Base solution and Blends.

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

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

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Guidelines for Application

Water Quality: Use SOFT WATER for best performance! Hard water (over 10 grains) is not recommended for making solution of Alkaline Base 021.

Solution Temperatures: Cleaning will improve if applied with warm (100°F) water. Warm water is especially recommended in colder weather. **Caution:** In Tire & Wheel Cleaner Application extremely hot wheels can be damaged by ANY cleaning product. In summer encourage customers to cool wheels before cleaning.

Dwell time: Allow a minimum of 30 seconds prior to following with either a high-pressure wash or high-pressure rinse.

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

Titration Chart: Use the chart below with “Alkaline Titration Test Kit” T-100A to determine dilution ratio. A water-blank must be subtracted from the titration prior to comparing to the following chart.

Titration Chart For Ultraflex[®] Alkaline Base 021	Dilution	Drops
This chart uses "Alkaline Titrant" and water blank must be titrated to subtract from your drops before comparing to this chart. Sample size = 1 tube	1:20	67
	1:25	54
	1:30	45
	1:40	34
	1:50	29
	1:60	24
	1:70	21
	1:80	19
	1:90	17
	1:100	15
	1:110	14
	1:120	13
	1:130	12
	1:150	10

Refer to Section 7 of Ultraflex[®] Installation Manual, “Measuring the Solution Strength in the Clear Mix Unit” if the strength of the Alkaline Base 021 solution is in doubt and should be tested.

Viscosity – temperature relation.

Viscosity of Alkaline Base 021 does not change significantly with temperature. Consequently, NO ADJUSTMENT of metering tips or pump setting is required to keep similar flow of product through metering devices.