



# Product Application & Results

1997 American Blvd. • P.O. Box 5606 • De Pere, WI 54115-5606 • 920-337-2175 • Fax: 920-337-9410

**PRODUCT:** C-Force™ Ceramic Unscented                      **Stock #UF460**  
C-Force™ Ceramic Orange-Vanilla                                      **UF461**

**Description:** An ultra-concentrated protection product infused with ceramic technology. It provides a superior shine and hydrophobicity. C-Force™ Ceramic promotes incredible water break with a deep penetrating, foaming application. A long-lasting fragrance has been incorporated for customer appeal in the scented version. Incredible UV protection will shield the vehicle from damaging UV light and keep the vehicle finish looking brand new. For use in all types of washes and all appropriate applications.

**Color:** Orange

**Scent:** UF460 – Unscented, UF461 - Orange-Vanilla

**Foaming Ability:** Medium

<b><u>Features</u></b>	=	<b><u>Benefits</u></b>
Ultra-Concentrated	=	Convenience and Value
UV Protection	=	Protects finish from sun
Beading and fast water break	=	Water repellency and drier cars
High Gloss finish	=	Protective barrier and excellent shine
Long-Lasting Fragrance	=	Customer appeal
Versatile	=	Flexibility in product application
“Nano-scratch” resistance	=	Provides added protection from nano/micro-surface scratching

## **Application**

## **Dilution Ratios**

	<b><u>Strongest</u></b>	<b><u>Weakest</u></b>	<b><u>Average</u></b>	<b><u>mL per car</u></b>
Low Pressure Sealant	1:250	1:750	1:500	15-22 mL

Specific Gravity: UF460 = 0.9880 g/mL    UF461 = 0.9932 g/mL

UF460/UF461 can be drawn direct using checkhub (P21000001) and single tip configuration. This is a versatile product in that may be used in tunnel and in-bay sites. Tips and setting will need to be adjusted accordingly for each environment.



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## Guidelines for Application

**Water Quality:** Mix only with fresh water, never use reclaimed water.

**Solution Temperatures:** Warm water may improve performance.

**Surface Preparation:** Vehicles should be clean and well rinsed prior application of UF460/UF461. Avoid direct interaction with UF431 – if using in conjunction make sure to rinse before or in between.

**Dwell time:** Car needs only to be covered and then can be rinsed off immediately. Rinse off with spot-free water.

**Economy:** Adjustments of water, air and product flow are often necessary to produce the desired effects.

## Special Instructions

### Compatibility Chart for UF460:

Compatible Materials	
O-rings	EPDM 23711, Blue Fluorosilicone FVMQ 1-009-9727, Salmon Silicone 1-009-20762
Tubing	Tygon 2475, Tygon 2375, Tygon form. F-4040-A, HDPE tubing P20010005, New age fuel and oil, ATP LLDPE tubing P200100007
Diaphragms	Kalrez diaphragm P28060004, Viton ETP diaphragm P28060003
ChemPods	Blue ChemPod, Clear ChemPod
Metals	303 SS, 304 SS, Brass
Foot valves	Grey foot valves AC-13-1008
Incompatible Materials	
O-rings	Buna N NBR70, Neoprene 753, Duro Brown Fluoroelastomer 1-009-20762
Tubing	Watts RVGE clear vinyl, Vincon flexible PVC tubing form. C-129-A
Diaphragms	Viton diaphragm P28060001
ChemPods	N/A
Metals	N/A
Foot valves	Blue foot valves AC-13-1004



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                       **C-Force™ Ceramic Orange-Vanilla**                      **UF461**

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### Compatibility Chart for UF461:

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Tubing	Vincon flexible PVC tubing form. C-129-A, HDPE tubing P20010005
Diaphragms	Kalrez diaphragm P28060004, Viton ETP diaphragm P28060003
ChemPods	Blue ChemPod
Metals	303 SS, 304 SS, Brass
Foot valves	Grey foot valves AC-13-1008
Incompatible Materials	
O-rings	Buna N NBR70, EPDM 23711, Neoprene 4753, Duro Brown Fluoroelastomer 1-009-20762
Tubing	Watts RVGE Clear vinyl, Tygon 2475, Tygon 2375, Tygon form. F-4040-A, New age fuel and oil, ATP LLDPE tubing P200100007
Diaphragms	Viton diaphragm P28060001
ChemPods	Clear ChemPod
Metals	N/A
Foot valves	Blue foot valves AC-13-1004

### Viscosity – temperature relation (This only pertains to UF461)

Viscosity is changing with temperature according 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.

Temp (°F)	Viscosity (cP)
35.0	330
40.0	265
50.0	177
60.0	124
70.0	90
80.0	67
90.0	52
100.0	41
110.0	33