



AQUA-BUFF 1000F

FAST-CUT BUFFING COMPOUND

PRODUCT # AB1000F



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SOLVENT- FREE BUFFING FOR SMOOTH & SHINY TRUE SURFACES

KEY USES

- Removal of scratches from gelcoated and painted surfaces such as boats, patterns, plugs, molds, and other finished products.

FEATURES

- SWIRL FREE FINISH**
Achieve the ultimate finish and shine!
- EASY APPLICATION**
Dab on with brush or cloth, then move smoothly across surface with rotary buffer.
- ECONOMICAL**
Use half as much compared to other compounds.
- WATER BASED**
Environmentally friendly.
- MULTIPLE-SIZE PACKING**
Packaged to meet a variety of manufacturing requirements.



AQUA-BUFF®

REVISED JANUARY 2025

DESCRIPTION

Water-based **fast-cut** compound for aggressive removal of sanding scratches or oxidation. Used to remove scratches and polish composite patterns, plugs, masters, and product molds. Also a great choice to remove scratches and to clean FRP parts, metal, and painted surfaces

PRODUCT SPECIFICATIONS

SPECIFICATIONS	MINIMUM	MAXIMUM
Viscosity Viscosity measurements are taken at 48 hours on a Brookfield viscometer. A #6 spindle is used on 4rpm speed with a sample reading 70°-75°F over 1 minute.	155,000 CPS	230,000 CPS
% Moisture	44.70%	47.70%
% Binders	18.78%	20.78%
% Solids	32.52%	35.52%
Aqua-Buff is a unique emulsion of binders and abrasives, containing no silica. Aqua-Buff 1000F blend is on average, 80% 40 microns particle size; 17% are greater than 78 microns; 3% are greater than 154 microns.		
Color	COOKIES & CREAM	
Weight per gallon	9-10 lbs. +/- .5*	
*Product weight varies based on several factors at time of production. As such Aqua-Buff is sold by volume, specific weight is not a guarantee.		

SAFETY & HANDLING

Aqua-Buff should be shipped and stored in moderate temperatures with care for temperature control in transit. Exposure to extreme temperatures can result in breakdown or suspension of the emulsion. Do not allow Aqua-Buff to freeze. We recommend products be kept unopened as long as possible and stored in a cool location, tightly resealing the lid after opening. All Aqua-Buff formulations contain a biocide to inhibit mold growth, however no biocide has unlimited capacity to control growth. In areas with high humidity, use of plastic film placed on the material after opening, may help inhibit mold growth. For more detailed instructions on safe storage and transportation, please see the MSDS sheet.

Liability/warranty statement: Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. All claim requests must be made in writing and are subject to review, including storage temperature verification and retain evaluations. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental or consequential damages, including damages caused in transit. Nothing herein shall constitute a warranty, expressed or implied, including any warranty of merchantability or fitness, nor is protection from any law or patent to be inferred. Aqua Buff is sold by container and weight is not guaranteed. All patent and trademark rights are reserved.



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PLEASE NOTE

The following use instructions are broad to address multiple applications. We recommend testing for product compatibility with your process. Please contact our Tech Team at (909) 546-1160 with any questions.

Compound Application Guide

(FOR AQUA-BUFF 1000F, 1000W, 2000, GLOSSMASTER)

1. Buffing Pad: it is critically important to link the correct buffing pad to each Aqua-Buff product. We advocate a tufted wool buffing pad for fast cut compounds like Aqua-Buff 1000W or 1000F. For polishing with Aqua-Buff 2000 or GlossMaster, we recommend a fine polishing pad. A foam pad can be used to get the ultimate shine.
2. Amount used: we find that most users apply too much compound and polish. Dab on an amount similar to a poker chip (about 3 cm across) for each square foot (30 cm) to be polished.
3. Spray bottle: Aqua-Buff 1000F/W and Aqua-Buff 2000 are sold as concentrates. The person doing the polishing adds water by spraying a mist onto the part. The buffing pad captures the compound/polish, and also the water. When the part appears dry, add more water with the spray bottle. As long as a milky liquid appears when the pad captures the water additional polish is not needed. Aqua-Buff GlossMaster does not require additional water.
4. Heat: a significant benefit of Aqua-Buff is that the sprayed water helps keep the surface cool during buffing. Heat can cause distortion to appear in the surface.
5. Buffer: we recommend a 2400 rpm commercial buffer. Wiping by hand will not create the necessary speed and energy to buff. Compound at full speed, polish at half speed.
6. Surfaces: Aqua-Buff works on gelcoat, Duratec and other composite surfaces.
7. After buffing: wash the surface with soapy water to remove any leftover polish.

TIP: A common question we get is - "What final grit of sandpaper do I need to use?" The answer will depend on the hardness of the surface (harder requires a finer grit) and the quality of the surface required. For most gelcoats, a final grit of at least 800 is recommended.

AQUA-BUFF PRODUCT CHOICES *see our Aqua-Buff Product Selector for more details*

Aqua-Buff 1000F is FAST. It can be too aggressive for soft surfaces, leaving swirl-marks. It is a grey-white (referred to as "cookies and cream") color.

Aqua-Buff 1000W is a blue-green color. It works very well on most surfaces, but can leave a blue haze on oxidized gelcoat or white gelcoat.

Aqua-Buff 2000 is a polish. It is used to remove swirl marks from compounding, or to re-shine oxidized gelcoat. Aqua-Buff 2000 is a white color and does not leave a haze.

GlossMaster is used when the polisher does not want to use a spray water bottle to leave a fine, glossy surface.



AQUA-BUFF PRODUCTS

TROUBLESHOOTING | AB1000F, AB1000W, AB2000

Application Issue	Cause	Solution
Burned gelcoat	Dry surface/dry compound	Spritz water on surface to cool and provide necessary surface lubrication. Keep moving across surface.
	Speed settings too high.	Adjust rotary buffer to ~2500 RPM for compound, ~1750 for polish. A DA may not have adjustable speed.
Chalky surface	Compound left on surface	Compounds & polishes break down during application. Resume buffing, adding water as needed, to work compound thoroughly.
	Excess Aqua Buff used	Aqua-Buff compounds cover a lot of footage. Reduce to 1 poker chip size amount of compound/polish per square foot.
Oxidation not removed	Compound cut not enough.	Select Aqua-Buff 1000F for heavy oxidation.
Swirl-Marks	Buffing pad selection incorrect.	Pad selection is critical. Compound with a wool pad, polish with a fine polishing pad.
	Material selection incorrect.	Aqua-Buff 1000F is fast cut and will leave swirl marks. Aqua-Buff 2000 is required to remove swirls and bring out gloss level.
Quality Concern	Comments:	
Mousse-like texture	Density variations can occur in emulsion production resulting in material which can be creamy or slightly mousse-like. Proceed with use as outlined in application guide.	
Icy particples or slight clumping	Exposure to freezing temperatures in storage or transit and generally not a concern for application. Bring material to room temperature, and test. If needed, add additional water in application. Do not allow additional freeze/thaw cycles to occur.	
Oily liquid or chunks	Rare issue due to extreme heat in storage or transit. Bring material to room temperature, stir with drill mixer and test. If material does not reconstitute, select new material for use.	

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