

# ORISON

## ALUMINOX™

### Aluminum Brightener & Oxide Remover

#### DESCRIPTION

Aluminox is a concentrated industrial strength acid brightener that is a safer alternative to traditional aluminum brighteners, such as hydrofluoric acid. Aluminox is a proprietary blend of acids and catalysts "activators". The catalysts make the surface of the aluminum more reactive which allows the acid blend to be more productive on bare aluminum.

This product will brighten aluminum and remove road film without the negative hazards associated with most brighteners. Aluminox will quickly remove aluminum oxide, leaving a fresh aluminum surface for welding, polishing, stripping, paint or pre-paint treatments. It is exceptional at cleaning polished stainless steel to a brilliant shine and will quickly remove brake dust from wheels. Aluminox is biodegradable and, when pH neutralized, is safe for disposal in most municipalities.



#### PERFORMANCE & SAFETY

- Rapidly removes oxide from aluminum and Al alloys
- Brightens aluminum
- Reduces sanding/polishing/buffing
- Non-flammable
- Biodegradable
- Does not contain petroleum solvents
- Replaces fluorides
- Easy to use

#### DIRECTIONS

1 gallon concentrate makes 3 gallons RTU - Normal Duty  
1gallon concentrate makes 2 gallons RTU - Heavy Duty

Clean dirt/algae/hard water deposits first (see NOTE)

- 1). For general brightening of aluminum, dilute 1 part Aluminox to 2 parts water. For extra-heavy oxidation (like pontoons) or when being used in cold weather, dilute 1 part Aluminox to 1 part water.
- 2). To prevent streaking, apply to surface with low pressure, start at the bottom and work upward. For an even finish brush lightly to help remove oil and dirt. A pump-up chemical sprayer, equivalent pumping system or long handled brush is recommended for application.
- 3). Let sit for 1 minute then rinse well with water.
- 4). Re-apply as desired.

NOTE: if cleaning pontoons or other surfaces with scale or hard water deposits, clean the scale or hard water deposits off first with Jackhammer Scale and Hard Water Deposit Cleaner.

#### CAUTION:

Due to wind mis-directing the fine spray, it is not recommended to use a hand trigger sprayer outdoors to apply this product. This product will dull polished aluminum surfaces; but is safe on chrome, steel and polished stainless steel (always test on small, inconspicuous area first as negative effects are always a possibility with acids). Do not allow to dry on surface. Avoid overspray onto vehicles or other fine-finish surfaces such as aluminum, paint or glass.

#### Mill Finished Aluminum Cleaning:

On mill finish aluminum, (older pontoons and unpainted flat aluminum panels on aluminum trailers) the aluminum turns light gray as shown in the picture above. The more you dilute the cleaner, the less grayish color you will get. Unfortunately this type of aluminum will never go back to the showroom finish. There is no way on earth to make this happen. However, the whitish gray is 100% better than the oxidized black.

#### Polished Aluminum Finishes:

Aluminox will dull polished aluminum finishes (mirrored finishes/diamond plate). The only way to bring polished aluminum back to a reflective finish is to polish. However, cleaning with Aluminox will make the job much easier and in the case of pontoons, looks better without the reflective finish.

#### TYPICAL PROPERTIES

Appearance	Liquid
Odor	Slight citrus
Foam	Slight
pH @ 1%	1.5 - 2.5
Environmental Data	Biodegradable

#### WARNING:

While Aluminox is safer than traditional aluminum brighteners, care must still be taken when handling this product. Be sure to wear protective equipment when using this product; including safety glasses/shield, acid resistant gloves, apron and rubber boots. Rinse aluminum and equipment with water when done. Always test on small, inconspicuous area first as negative effects are always a possibility with acids.

HMIS	
HEALTH	2
FLAMMABILITY	0
REACTIVITY	1
PPE	C

0=Insignificant/Insignificante; 1= Slight/Bajo; 2=Moderate/Moderado; 3=High/Alto; 4=Very High/Muy Alto

#### APPLICATIONS

- Pontoons
- Motorcycle/Auto Parts
- Trailers/RV
- Trim
- Carts/Tables

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