



Aculon® NanoClear Part A Primer/Cleaner Wipe

Product Information

Aculon® NanoClear part A Primer/Cleaner is a water based mild metal etchant used for cleaning and preparing nickel, stainless steel, & electropolished metal stencils for application of NanoClear Part B primer. It is not designed for use on copper, brass, tin, silver, or plastics. This product is used to clean & prepare the stencil by exposing a fresh oxide layer resulting in a water break free condition, ensuring proper adhesion of the Aculon NanoClear Part B Treatment.

Solvent	Color
Water	Clear/ Amber Fluid
Physical Properties	
Shelf Life	2+ years
Specific Gravity	1.1 g/ml
pH	7 +/- 0.5

Features

- Used as provided for wipe applications
- Gentle for use with common stencil substrates.
- Ensures metal substrates are back to native oxide layer for proper adhesion of Aculon NanoClear Part B Treatment.

Application Protocol

Surface Preparation:

Prior to utilizing the NanoClear Part A Primer/Cleaner you must ensure that the surface is free of any contamination, adhesive residues, or dirt, follow these procedures:

1. Remove any gross contaminants, caked on dirt, oil, or paraffinic residue.
2. Degrease the surface with solvents such as Isopropyl Alcohol, Acetone, Toluene or alternatively run the stencil through your stencil washer.
3. Move to the cleaning instructions below:

Cleaning Application:

Wipe Application:

1. Remove the moistened NanoClear Part A towelette from the dual pack. Take care NOT to open the Part B towelette until ready to use after cleaning with Part A.
2. Wipe the stencils aperture area on the bottom side (board side) of the stencil. It is not necessary to treat the top side.
 - a. Ensure that all areas are wiped with moderate force for 1 – 3 minutes.
 - b. Sufficient contact time and mechanical abrasion is critical for successful treatment.
3. Rinse with copious amounts of running water for at least 60 seconds and ensure the substrate is water break free.
 - a. For best results, use deionized water

Drying:

1. Blow dry the substrate using an oil free air source or dry with a lint free clean room wipe.

Treatment Application:

NanoClear Part B: Immediately proceed to application of NanoClear Part B treatment on your stencil after cleaning. If not able to immediately treat, confirm water break free condition prior to treatment. Repeat Part A process if no longer water break free.

Safety, Handling, Storage, Shelf Life:

Store in a cool (~25°C) and dry area, and keep away from direct sunlight. See this product's SDS for proper handling. When stored properly, product has a 2 year shelf life.

For Additional Information:

To request additional product information or sales assistance, contact Aculon's Technical Team, at 858-350-9474. For information on other Aculon products, please visit our website at www.aculon.com.

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