



# TURCO<sup>®</sup> ALUMIFILM

## ALKALINE REMOVABLE COATING

### DESCRIPTION:

TURCO ALUMIFILM is an alkali soluble protective coating formulated to answer a serious need of manufacturers of large aluminum products, such as aircraft or trailers that must be fabricated or stored outdoors, where they immediately come under attack by the corrosive elements. TURCO ALUMIFILM not only protects aluminum from the weather, but also affords protection during handling.

Do not use TURCO ALUMIFILM on any plastic or other surfaces affected by strong solvents.

### LIQUID PROPERTIES:

Package viscosity	25 ± 5 cps, 25°C
% Solids by weight	20.5 ± 0.5%
% Solids by volume	15.0 ± 0.5 %
Coverage sq. ft/gal at 1 mil; Dry film	230
Weight/gallon	7.3 ± 0.2
Color	Aluminum
Flash Point	7°C Setaflash
Storage Life	6 mos (min) at ambient temperature

### DRY FILM PROPERTIES:

Appearance	Aluminum pigmented opaque film
Adhesion	Excellent, will not lift or peel
Abrasion resistance	Very good
Impact resistance	Excellent
Chemical resistance	Resists lubricating oils, aliphatic solvents and acids

### USE INSTRUCTIONS:

**Surface Preparation:** TURCO ALUMIFILM should be treated like any organic film. Oil and soil should be removed prior to coating, to insure good bonding of the Alumifilm coating. Your TURCO Sales Engineer can recommend a suitable TURCO precleaner based upon your production requirements.

**Dilution:** Add 15 to 25% by volume of MEK for normal temperature. For hot weather, use an MIBK or a blend of MIBK and MEK. Cyclohexanone, added at 1% to 2% by volume may also be used to improve flow-out. Mix thoroughly.

### SPRAY APPLICATION:

1. Apply to clean dry surface using standard Binks or DeVilbiss siphon or pressure pot equipment; Graco, Binks or Nordson cold airless spray equipment. Examples: Binks #19 gun with #66 fluid nozzle, #66SB air nozzle and #15 needle; 70 to 80 psi line pressure and a

fluid pressure regulator reading at 1000 psi. Graco spray tips: 163-621 or 163-515. Binks airless spray equipment may also be used and the spray tips for the Graco equipment are also useable on Binks equipment.

2. Apply one box coat to obtain a dry film thickness of 0.4 to 0.6 mils.
3. To handle Alumifilm in 10 to 15 minutes, it may be force-dried at 80°to 90°C for 10 minutes.

**TURCO ALUMIFILM REMOVAL:** To remove Alumifilm prior to final assembly it should be removed at the same time parts are being cleaned prior to final surface preparation. Alkaline hot tank, spray washing or steam cleaning compounds readily and completely remove the coating even after weather aging for six months or baking for eight hours at 175°C.

An effective inexpensive compound, TURCO ALUMIFILM REMOVER L, is especially formulated for quick removal of Alumifilm from assembled objects. this thickened liquid clings to the surface and removes the coating rapidly even from vertical or overhanging surfaces. To use, merely spray on remover, let set for 5 to 15 minutes and flush off the coating with a stream of water.

## **DISPOSAL INFORMATION:**

Dispose of spent solution per local, state and regional regulations. Refer to TURCO MATERIAL SAFETY DATA SHEET for additional disposal information.

## **CAUTION!**

TURCO ALUMIFILM contains aromatic petroleum solvents and alcohol. Avoid contact with eyes, skin and clothing. Do not take internally. Use with adequate (equivalent to outdoor) ventilation. Avoid prolonged breathing of fumes.

TURCO ALUMIFILM has a Setaflash point of 7°C. Do not use or spray this product near open flames, welding arcs, cutting torches or other sources of ignition, since hazardous gases may be formed.

Protective clothing, such as a chemical face shield or goggles, gloves, boots and apron made from solvent resistant material should be worn when using and handling this product. Use care in opening drums to avoid spurting of contents. Transport and store in closed containers at temperatures below 35°C.

Before using this product refer to container label and TURCO MATERIAL SAFETY DATA SHEET for additional precautionary, handling and first aid information.

## **NOTICE:**

*The above information and recommendations concerning this product are based upon our laboratory tests and field use experience with this or similar products. However, since conditions of actual use are beyond our control, any recommendations or suggestions are made without warranty, express or implied. Manufacturer's and seller's sole obligation shall be to replace that portion of the product shown to be defective. Neither shall be liable for any loss, damage, or injury, direct or consequential, arising out of the use of this product.*

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