



# 510A ALUMINIZED URETHANE PRIMER

By Imco®

## DESCRIPTION

The **510A ALUMINIZED URETHANE PRIMER** is an extremely durable, single component protective coating system having unsurpassed adhesion to steel, aluminum and fiberglass.

## BASIC USES

The **510A ALUMINIZED URETHANE PRIMER** is a single component aluminized urethane with excellent adhesion to hand cleaned steel, fiberglass, aluminum and aged paints. Recommended as an aluminum self prime finish coat for normal weather and mild marine exposures and as an anti-bleed primer for chemical resistant finish coats. The **510A ALUMINIZED URETHANE PRIMER** can be top-coated with almost any type of finish system if a color coat is required.

## MAJOR ADVANTAGES

Hard, abrasive resistant and flexible. Outstanding adhesion to steel, fiberglass, galvanized, aluminum, tightly adhered old paint etc. Will not soften solvent sensitive coatings, alkyds, vinyls, acrylics etc. Good resistance to mild acids, alkalis and fresh and salt water. Can be applied at sub-zero temperatures as low as -10°C (14°F).

Approved by Canadian Food Inspection Agency (CFIA) for incidental food contact.

TECHNICAL DATA		PRODUCT INFORMATION	
Flash Point	40°C (104°F)	No. of Components	One
Solid by Volume	50%	Packaging	4L pail 20L pail 200L drum
Cure Time	Touch 0.5 hours Recoat 1-2 hours Mar-free 4-5 hours	Coverage	9m <sup>2</sup> (100 sf)/L
Sward Hardness	34	Primer	None required Self priming on most substrates
Taber Abrasion CS-17	18 mg loss	Clean up	Use 585 Urethane Solvent
Reverse Impact	>160 inlb	Colour	Aluminum
Direct Impact	>160 inlb	Shelf Life	3 mos.at 5 to 24°C, inside storage, out of sun and direct heat.
Pot Life	4 hours		
Net Weight	1.10—1.20 kg/L		
Application Temp.	-10°C(14°F)		

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## APPLICATION INSTRUCTIONS

Correct surface preparation is of the utmost importance. Surface must be sound, clean, dry and free of oil, grease or any other contaminants. Obvious damaged areas must be repaired before the application of the coating.

For applications over steel, sandblasting to a minimum SSPC-SP 6 Commercial Blast is recommended, however, the **510A ALUMINIZED URETHANE PRIMER** has demonstrated excellent adhesion to hand cleaned steel and rusted surfaces where all loose contaminants have been removed.

Fiberglass and aluminum surfaces must be mechanically abraded to remove all surface sheen and then either pressure washed or solvent wiped before the application of the **510A ALUMINIZED URETHANE PRIMER**.

When over coating the **510A ALUMINIZED URETHANE PRIMER**, apply the second coat as soon as the first coat is touch dry. Do not allow the first coat to fully harden as intercoat adhesion may be affected. If more than 24 hours elapses between coats, sand well before applying second coat.

The **510A ALUMINIZED URETHANE PRIMER** can be applied by brush, roller or spray. For conventional spray applications use De Vilbiss MBC or JGA spray guns with an "E" Fluid Tip. The recommended atomizing pressure is 40 to 60 psi with a pot pressure of 15 to 30 psi depending on site conditions. Airless spray applications require a minimum tip pressure of 2500 psi and a tip range of 15 to 20 thou. **510A ALUMINIZED URETHANE PRIMER** may be thinned for spraying using 580 URETHANE THINNER only at a maximum rate of 10%.

## CLEAN-UP

With 585 URETHANE SOLVENT before coatings dry.

## STORAGE

Keep in tightly closed containers to prevent contamination with moisture. Store in a cool, dry place, preferably under 27°C to insure stability of at least 6 months in original unopened containers.

## SPECIAL HANDLING

Use normal precautions such as gloves, coveralls, eye protection and face mask with, cartridges approved for inorganic vapours. When spraying, free isocyanates may be present; use air-fed, full face mask if in enclosed area. May cause sensitization in susceptible individuals. Protect skin with barrier creams. Wash skin contact areas thoroughly with lukewarm water. Eye contact; flush with copious amounts of water and obtain medical attention immediately. Maintain adequate ventilation in enclosed areas.

## SAFETY

Please refer to MSDS at [www.imcotechnologies.com](http://www.imcotechnologies.com)

## WARRANTY DISCLAIMER

The information herein is to assist customers in determining whether our products are suitable for their application. 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 the contents and suitability. We warrant that our products will meet our written specifications. Nothing herein shall constitute a warranty expressed or implied, including any warranty of merchantability or fitness, nor is protection from any loss or patent to be inferred. 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.