ULTRA-FLEX™ AP / AP-174

ADHESION PROMOTERS FOR METAL AND SYNTHETIC SURFACES

ULTRA-FLEX AP is comprised of an organic solvent application medium and a specialized molecular compound. The molecules that are applied to a metal surface are designed to have a bi-functional molecular structure. One end of the compound is an organo-functional group which will react with the polymers in the ULTRA-FLEX 5000 polyurethane coating. The other end is an inorganic based group that bonds to an inorganic substrate. A chemical bridge is thus formed between the coating and the substrate when **ULTRA-FLEX AP** is used. The coating's adhesion to the substrate is increased dramatically because two adhesive processes are in effect. The first is the normal type of adhesion formed by coatings simply filling in the microscopic voids in the metal surface much like millions of tiny suction cups. The second is by the formation of a chemical bond through the use of the bifunctional molecule.

ULTRA-FLEX AP-174 consists of a blend of tri-functional molecules and an application medium. The molecular structure of the active ingredient was chosen for the ability to bind to various synthetic substrates including, but not limited to, EPDM, PVC and Hypalon and also interact with the polymers in ULTRA-FLEX 5000 AND ULTRA-FLEX 4000 polyurethane coatings.

The following table matches the recommended Adhesion Promoter with a sampling of various surfaces upon which each should be used. Applied as a surface preparation and used together with ULTRA-FLEX 5000 or 4000, they help provide unsurpassed coating adhesion and durability.

Substrate	ULTRA-FLEX AP	ULTRA-FLEX AP-174
Aluminum	√	
Carbon Steel	√ *	
Iron	√ *	
ABS Plastics		√
Fiberglass	√	√
PVC		√
Polyethylene		√

* SEE DATA SHEET FOR AP-RCI FOR USE ON RUSTED SURFACES.

LAVA-LINER

15501 G Tiburon Blvd.,#418
Tiburon, CA 94920
Phone: 415-829-9114
Fax: 415-829-9203
URL: www.Lava-Liner.com