

1.0 DESCRIPTION & RECOMMENDED USE

#770 AXP ElastaHyde is a 100% acrylic, premium quality, high durability, elastomeric coating which has been developed as a base coat to protect smooth APP Modified Bitumen and various roof surfaces. This product was designed to adhere to smooth APP Modified Bitumen and other asphalt products. Because of its design and adhesive characteristics it performs extremely well under ponding conditions as a base coat. It can be used with polyester reinforcements to create an extremely tough and durable roof membrane. Reinforced coating system is **FM Approved**.

#770 AXP ElastaHyde reflects over 83% of Sun’s rays and serves as a thermal reflector due to hiding & reflective pigments but is not recommended as the finish coating. It is recommended that **#720 ARC** or **#790 AFC ElastaHyde** be used as the finish coating over the **#770 AXP ElastaHyde**.

When cured **#770 AXP ElastaHyde** forms an extremely tough, flexible film that can withstand the most rigorous weather conditions. When reinforced it forms a complete waterproof membrane. This coating is designed as a base coating for smooth mod. bit., asphalt emulsion and our “Fluid Applied Reinforced Roofing” membranes. **#770 AXP ElastaHyde** may also be used as a base coat on conventional built-up, foam and metal roof systems. **#770 AXP ElastaHyde** is water based and not DOT regulated or labeled for highway transport.

2.0 TECHNICAL DATA

Base	100% Acrylic
Color	<u>White Only</u>
Solar Reflectivity	(White) (Initial) 83% ASTM E97
Thermal Emittance	(Initial) 89% ASTM E97
SRI (Solar Reflectance Index).....	104 ASTM E1980-01
Flammability	Wet: Non-flammable
.....Dry (Non-Reinforced):	Class A U.L. 790
.....Dry (Reinforced):	Class A U.L. 790
.....Dry:	Class A ASTM E108
Elongation(Non Reinforced)	>650% ASTM D2370
Elongation(Reinforced)	>60% ASTM D412
Tensile Strength(Non Reinforced)	>100 psi ASTM D2370
Tensile Strength(Reinforced)	>2213 psi ASTM D412
1000 hr Xenon Arc UV Exposure	Pass ASTM D4798
Permeance	<4 ASTM D1653
Low Temperature Flexibility	Pass 30°F ½” ASTM D522
After 1000 hr Weatherometer.....	Pass 30°F 1” ASTM D522
Solids50% by volume	ASTM D2697
Solids64% by weight	ASTM D1644
Tear Resistance	>90 lbf/in ASTM D624
Bliaster Resistance after 14 days (Mod.Bit.).....	Excellent
Fungi Resistance	no growth ASTM G21
Salt Spray Test no effect (coating or substrate)	ASTM B-117
Weight Per Gallon	Approximately 11.5 lbs.
Consistency ... Heavy paint, for heavy duty spray, brush or roller	
Viscosity	100-110 (KU) ASTM D562
Application Temperature	Min. 50° F Max. 100 °F (ambient)
Drying Time (70°F @ 50% r.h.)	@100 sq.ft./gal. = 1 hour
Min. Mil Thickness	(Dry) 20 Mils
Recommended Mil Thickness	(Dry) 24+ Mils

3.0 DIRECTIONS FOR USE

Surface must be dry and free of dirt, dust, oil, grease, wax, rust, chalky or loose paint, mildew and any other surface contamination that may inhibit adhesion. Repair cracks, breaks, open seams, and other roof imperfections with a heavy sealer such as **#800** or **#8000 Elastic Cement**. When coating over newly-applied asphalt emulsions such as #298 or #298E, proceed when the emulsion is thoroughly dry.

The curing time of asphalt emulsion is 2 to 3 days in warm, dry weather. All asphalt or mod. bit. surfaces must be washed to remove any residue that may cause lack of adhesion or “tobacco staining”.

4.0 APPLICATION

1. **#770 AXP ElastaHyde** may be applied by roller, brush or spray. Apply per specifications. On existing previously coated surfaces; clean surface thoroughly before applying **#770 AXP ElastaHyde**, scrubbing with a detergent solution if necessary to remove oils and other residues. Flush immediately with strong stream of water. Some surfaces may require priming (consult Western Colloid).

2. Stir thoroughly to ensure uniform application by brush, roller or spray. For best results apply ElastaHyde coatings in a two coat cross hatch manner (first application is at right angle to second). Apply the base coat uniformly over entire roof surface with heavier coat around vents and seams. Apply only when coating will not be subject to heavy dew, rain, moisture or freezing within 48 hours of application

3. **COVERAGE:** 33 to 100 Square feet per gallon per coat. Total 2 to 8 gallons per 100 sq. ft. depending on specification and type of surface. To allow for proper drying and curing do not apply in application rates greater than (3 gal. embedment) (1½ gallons surface) per square per coat. Multiple coats required for heavier coverage. Refer to Western Colloid specifications for specific application rates. Allow 24 hours between coats.

4. Equipment Clean Up: Soap and warm water.

PRECAUTIONS: Do not apply **#770 AXP ElastaHyde** when surface or air temperature is below 50° F, or if cold weather, rain or fog is expected within forty-eight hours of application. **#770 AXP ElastaHyde** cures through dehydration. Drying time may vary depending upon wet film thickness, temperature, humidity and air movement **#770 AXP ElastaHyde** should not be exposed to ponding conditions until coating has completely cured. **To meet California Title 24 requirements ElastaHyde #770 AXP should be surfaced coated with 10 mils of ElastaHyde #720 ARC or #790 AFC.

READ AND FOLLOW DIRECTIONS CAREFULLY. REFER TO MSDS FOR PROPER HANDLING.

STORE CONTAINERS IN COOL, DRY, PROTECTED AREA. KEEP FROM FREEZING. KEEP LIDS TIGHTLY CLOSED WHEN NOT IN USE.

NOT RECOMMENDED OVER WOOD SHINGLES OR UNTREATED WOOD SURFACES.

LIMITED WARRANTY

WESTERN COLLOID warrants its products to be of merchantable quality and suitable for the general purpose for which they were intended, when applied in accordance with WESTERN COLLOID’s instructions. WESTERN COLLOID does not warrant its products to be suitable for any purpose or use other than for which they were intended. Liability under this warranty is limited to supplying new material without charge, or at WESTERN COLLOID’s option, to a refund of the purchase price. In the event of a claim under this warranty, notice must be given in writing at the addresses shown hereon. THIS LIMITED WARRANTY IS ISSUED AND ACCEPTED IN LIEU OF ALL OTHER EXPRESSED WARRANTIES, AND EXPRESSLY EXCLUDES LIABILITY FOR CONSEQUENTIAL DAMAGES. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS AND EXCLUSIONS MAY NOT APPLY TO YOU.