



TECHNICAL DATA

ELASTA-TUFF 6000-AR AROMATIC TOP COAT

1. PRODUCT

ELASTA-TUFF 6000-AR is a single component, liquid applied, moisture-cured, aromatic polyurethane industrial maintenance coating. It is the economical aromatic topcoat and aggregate binding coat used in several of the TUFFLEX Urethane Decking Systems. ELASTA-TUFF 6000-AR is the "aggregate receiving coat" in the decorative colored-quartz decking system.

2. FEATURES

Single component application, vulcanized by moisture
Excellent water resistance
Rapid cure at room temperatures and can be accelerated for low temperature
or low humidity cure
High hiding with one coat application

3. BENEFITS

Easy cost saving application
Weather stable aromatic urethane backbone
Eliminates migratory water problems
Quick turn-around time with the use of TUFFLEX accelerators
High Abrasion Resistance

4. PRODUCT DESCRIPTION

PRE-APPLICATION PRECAUTIONS: ELASTA-TUFF 6000-AR is an aromatic topcoat and the surface may become flat, slightly chalky, and will have some color change upon prolonged exposure. Containers that have been opened must be used within 1 or 2 days, since ELASTA-TUFF 6000-AR is a moisture reactive material which sets up when exposed to air. ELASTA-TUFF 6000-AR should not be diluted. It is recommended to apply the ELASTA-TUFF 6000-AR on a textured surface in order to provide the needed slip-resistance. Improperly textured surfaces may be slippery under wet conditions.

PRECAUTION: ELASTA-TUFF 6000-AR is a component of the TUFFLEX Decking Systems. It should primarily be used as stipulated in the INSTALLATION SPECIFICATION DATA SHEETS. Results which arise from use other than what is stipulated are not tested or recommended.

APPLICATION:

GENERAL: ELASTA-TUFF 6000-AR requires a few precautions to be followed during and after application. Each application should be done in one complete step. A continuous application will ensure a smooth and level coat with no lines or streaks to disfigure the deck. Application should not be stopped part way across an area and then completed several or more hours later.

MIXING INSTRUCTIONS: Mix ELASTA-TUFF 6000-AR thoroughly before using or before adding the optional TUFFLEX CURE ACCELERATORS. Material should be mixed thoroughly with a mechanical mixer (Jiffy Mixer) at low RPM. Care must be taken not to whip air into the mixture as this may cause pin-holes.

APPLICATION: The first coat of ELASTA-TUFF 6000-AR should be applied at the rate of 80 to 120 square feet per gallon, depending upon the surface texture. For best results use a squeegee, trowel or phenolic core roller. Spread ELASTA-TUFF 6000-AR evenly over the entire deck resulting in 14 - 20 wet mils. Allow to cure over night before applying the second coat. Most applications will require two top coats (one aromatic

and one aliphatic). To obtain proper adhesion between coats it is imperative that re-coating be done within 48 hours. Allow ELASTA-TUFF 6000-AR to cure at least 24 hours before permitting light pedestrian traffic. Note: Curing time depends on humidity and temperature. Low temperature and low humidity extends the curing time. Use the TUFFLEX CURE ACCELERATORS to shorten cure time. Refer to the TUFFLEX ACCELERATOR Technical Bulletins for further information.

5. MAINTENANCE

If an ELASTA-TUFF 6000-AR coated surface is damaged, it can be repaired by light sanding or by scrubbing with industrial soap and water, followed by a thorough rinse with water. Follow this with a solvent wipe with acetone or xylene and TUFFLEX 7113 penetrating cleaner. When the surface is dry, apply additional ELASTA-TUFF 6000-AR.

6. AVAILABILITY

ELASTA-TUFF 6000-AR is supplied through Building Material Distributors. Prices vary with quantity and packaging. For the name of your nearest Distributor please contact the factory.

These products are designed and manufactured to be installed by professional installers familiar with surface preparation and application procedures. All others should consult a professional installer. Those who choose to install these products without professional assistance do so at their own risk.

7. PRECAUTIONS

Before using this product read the container precautionary label and the Safety Data Sheet (SDS) carefully. Exposure to urethanes or petroleum solvents may cause allergic skin or respiratory reactions. Do not get into eyes, onto skin, or clothing. **THIS PRODUCT IS FOR PROFESSIONAL USE ONLY.**

8. TECHNICAL SERVICE

Technical Assistance is available by contacting:

TUFFLEX POLYMERS
10880 Poplar Avenue
Fontana, California 92337
Phone: (909) 349-2016
Fax: (909) 823-6309

9. LIMITED WARRANTY

TUFFLEX POLYMERS (TUFFLEX) warrants this product to be free of defects in workmanship and materials only at the time of shipment from our factory. If any TUFFLEX materials prove to contain manufacturing defects that substantially affect their performance, TUFFLEX will, at its option, replace the materials or refund its purchase price.

This limited warranty is the only warranty extended by TUFFLEX with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. TUFFLEX specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever.

The dollar value of TUFFLEX's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the TUFFLEX material in question.

10. TECHNICAL DATA

ELASTA-TUFF 6000-AR AROMATIC TOP COAT

<i>PROPERTY</i>	<i>TYPE 6000-AR-SC (100 VOC)</i>	<i>TYPE 6000-AR-HS (250 VOC)</i>	<i>TEST METHOD</i>
Polymer Composition	Aromatic Polyurethane	Aromatic Polyurethane	-----
Solids Content (By Weight)	82 +/- 2%	78 +/- 2%	ASTM D-1353
VOC Content	100 grams/liter	250 grams/liter	Calculated
Weight Per Gallon	10.8 ± 0.2 lbs.	9.7 ± 0.2 lbs.	ASTM D-1475
Viscosity @ 77°F	25-35 poise	25-35 poise	Brookfield
Cure Time @77°F, 50% R.H. @ 10 mils	16 hours	16 hours	
Flash Point	Above 116°F	Above 116°F	ASTM D-93
Tensile Strength	3300 ± 300 psi	3300 ± 300 psi	ASTM D-412
Ultimate Elongation	250 ± 50%	250 ± 50%	ASTM D-412
Hardness, Shore A	90 ± 5	90 ± 5	ASTM D-2240
Adhesion to Base Coat	30 pli	30 pli	-----
Water Vapor Permeability	0.3 perms	0.3 perms	ASTM E-96
Tear Strength	300 ± 50 lb./in.	300 ± 50 lb./in.	ASTM D-1004
Chemical Resistance (Commonly encountered acids, salts, and oils)	Good	Good	ASTM D-2299
Weathering Resistance	No Chalking @ 500 hrs	No Chalking @ 500 hrs	ASTM G-23
Service Temperature Range	-30 to + 180°F	-30 to + 180°F	-----
Thermal Shock	No loss of adhesion	No loss of adhesion	Alternate Heat/Cold Cycle

ELASTA-TUFF 6000-AR (09)