

ULTRASHIELD



1. PRODUCT NAME

ULTRA SHIELD TOPCOAT
Acrylic Elastomeric Coating

2. MANUFACTURER

PRO-TECH PRODUCTS, INC.
3003 N. 73rd Street
Scottsdale, Arizona 85251

3. PRODUCT DESCRIPTION

ULTRA SHIELD TOPCOAT is a premium quality acrylic elastomeric coating utilizing hi-tech acrylic polymer emulsions and superior reinforcing laminar pigments. This technically advanced combination allows outstanding adhesion properties along with excellent tensile, elongation, and dirt pick up resistance while maintaining flexibility through thermal cycling, which makes ULTRA SHIELD TOPCOAT an ideal choice for durability, weather resistance and protection from ultra violet degradation.

BENEFITS:

- High resistance to ultraviolet degradation
- Excellent adhesion to wood, metal, smooth asphalt and cap sheets
- Low temperature flexibility
- Low toxicity and odor, environmentally safe

4. TECHNICAL DATA

See TABLE 1.

5. INSTALLATION

- May be applied by spray or heavy nap roller. However, airless spray is recommended for consistency
- All surfaces must be clean, dry, and free of dirt, grease, oil, or other contaminants that would interfere with proper adhesion
- Apply in two separate coats of 1¼ to 1½ gallons per 100 square feet per coat minimum
- Apply at temperatures above 50° F
- Apply only when weather conditions will permit drying before rain, dew or freezing temperatures occur
- Acrylic-based coatings must cure before being subjected to freezing or moisture. Example of ideal conditions: 4-6 hours above 70° F and low humidity
- For application details see specific Guide Specifications

6. WARRANTY

No specific warranties implied.

7. MAINTENANCE

Periodic maintenance of Pro-Tech Products coatings and roofing systems ensures extended performance and reduces life cycle costs.

8. TECHNICAL SERVICES

Additional information, product brochures, and guide specifications are available. Customized application instructions are also available from our technical experts.

TABLE 1 – TECHNICAL DATA

PHYSICAL PROPERTIES

Property	Test Method	Typical Value
Viscosity (CPS)	Brookfield LVT #4 @ 60 rpm	8500
Solids by Volume (%)	ASTM D-2697	54 %
Solids by Weight (%)	ASTM D-1644	65 %
Weight per Gallon	ASTM D-1475	11.5
Coverage (Mils/100sf/gal)		8.64 Dry Mils/16 Wet Mils
Clean-up		Water
Re-coat Time (hrs.)		Normally 4-8 hours

PERFORMANCE PROPERTIES

Property	Test Method	Typical Value
Elongation (%)	ASTM D-2370	250 %
Tensile Strength (psi)	ASTM D-2370	410 psi

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