

PRODUCT INFORMATION

PRODUCT TYPE: Acry-Tek 9000 is a single-component aliphatic acrylic polymer, designed for a high-performance finish coat. Acry-Tek 9000 has the advantage of high tensile and elongation, with the ease of water-based application. Excellent UV stability and hide.

GENERAL PROPERTIES: This product provides outstanding weatherability, as well as exceptional protection from degradation caused by ultraviolet exposure. The high-tensile aliphatic acrylic resin gives toughness and greater water-resistance at fewer mils than standard acrylic coatings.

RECOMMENDED USES: This product is intended to be used as a high performance coating. Excellent adhesion will be achieved over the following substances: polyurethane foam, concrete, masonry, primed metal & primed wood. This product may be used as a basecoat / topcoat polyurethane spray foam roofing system, or may be used as a topcoat over acrylic, urethane or butyl coatings. Contact Accella Roofing Solutions (ARS) for specific application information.

PRODUCT LIMITATIONS: Because both colder temperatures and high humidity retard the curing process, there must not be any moisture present on the surface whatsoever. Therefore, we do not recommend application on flat roofs where ponding water is present or during early morning or late afternoon hours when conditions are conducive to high moisture condensation. Also, this product is not recommended for use without a vapor barrier in cryogenic tank or cold storage roofing applications. It is also not intended to be used in any interior application in place of a thermal barrier.

Please consult ARS Technical Department for any specific questions regarding the application of this product.

FINISH: White - Satin Gloss

APPROVALS: CRRC®, ENERGY STAR®, Factory Mutual, Florida Building, Miami-Dade and Underwriters Laboratories listed.

FLAMMABILITY CHARACTERISTICS: This product carries Class "A" Non-Combustible credentials as tested under UL 790 procedures. Contact Coating & Foam Solutions, LLC. (CFS) or refer to the U.L. Directory R11964 for specific information.

COLOR: White, Lt. Grey, Dk. Grey. *Contact ARS for availability, lead times, and pricing for special colors*

VOC: < 50 Grams / Liter (EPA Method 24)

DRYING TIME: Dependent upon temperature, relative humidity and wet film thickness.

STORAGE CONDITIONS: This water-based product must not be applied or stored in freezing conditions. **Protect material from prolonged exposure to direct sunlight when temperatures exceed 95°F.**

PHYSICAL PROPERTIES

PHYSICAL PROPERTY	TYPICAL VALUE	ASTM TEST METHOD
Tensile Strength:	450 psi ± 25 (initial) 675 psi ± 25 after 1500 hours	(ASTM D-2370)
Elongation: (break)	456% ± 25 (initial) 352% after 1000 hours	(ASTM D-2370)
Permeance:	6.7 US perms at 20 dry mils	(ASTM D-1653)
Tear Resistance (Die C):	88.0 lbf/in.	(ASTM D-624)
Reflectivity:	85%	(ASTM C-1549)
Emissivity:	.85	(ASTM C-1371)
Solids Content By Weight:	64% (± 2%)	(ASTM D-1644)
Solids Content By Volume:	51% (± 2%)	(ASTM D-2697)
VOC:	< 50 Grams / Liter	EPA Method 24
Specific Gravity:	1.44	
Durometer Hardness:	60 ± 5 points Shore A	(ASTM D-2240)
Flash Point:	None to > 212°F	(ASTM D-1310)
Temperature Limit for Normal Service:	0°F to 185°F (-18°C to 85°C)	
Low Temperature Flexibility:	Passes 180° flex over ½ Mandrel @ -15°F (-26°C)	(ASTM D-522)
Cure Time:	24 hours	Temp. & Humidity Dependent
Drying Time (White):	5 hours at 75°F	50% R.H.
Shelf Life:	(UNOPENED CONTAINERS): 6 Months *** When Stored Between 35°F. and 75°F ***	

PERFORMANCE CHARACTERISTICS

Acry-Tek 9000 has been independently tested and certified to meet or exceed all the requirements of ASTM D-6083 Standard Specification Liquid-Applied Acrylic Coating used in Roofing.

ORDERING INFORMATION

Container Size	Class	NMFC Class #
5 Gal (18.9 Liter)	55	170080
55 Gal. (208.2 Liter)	55	170080

DOT Shipping Information: Roof Coating, Not Regulated

HMIS® RATING:

Health 1, Flammability 0, Reactivity 0, Protection X
 0= Minimal 1=Slight 2=Moderate 3=Serious 4=Severe
 (*) Indicates potential for chronic health effects.

Miami-Dade County Product Control Approved
 NOA No. 16-051715 Exp. Date 4/03/18
 Florida Approval: FL# 13816-R2



Application Procedures

Acry-Tek 9000

For Professional Use Only

CONDITIONS

TEMPERATURE: 50°F and rising

RELATIVE HUMIDITY: Do not apply when the temperature can fall to within 5 deg. of the dew point within 6 hours, or when the temperature could fall below 32°F within a 24-hour period after application. Late afternoon is application is not recommended if high humidity conditions exist, which could cause high moisture condensation on the surface overnight.

Recommended Application Rate per coat:

Wet Mil	16-24 wet mils
Dry Mil	8-12 dry mils
Coverage	0.5 - 1.50 gal. / sq.

NOTE: Brush, roller, or spray applications may require multiple coats to achieve desired thickness.

DRYING SCHEDULE: @ 8.0 mils wet @ 50% RH

	50°F	77°F	100°F
To Touch	1.5 hrs.	1 hr.	30 min.
Tack Free	4 hrs.	1 hr.	30 min.
To Recoat	8 hrs.	4 hrs.	2 hrs.
To Cure	30 days	20 days	10 days

APPLICATION PROCEDURES

BRUSH: Use nylon or polyester brushes - do not over brush or apply too heavily.

Heavy applications will slump on vertical surfaces.

ROLLER: Use 12, 18, or 24" rollers for back-rolling large areas. Use 1/2"-1 1/2" nap high-grade synthetic heads with phenolic cores. Rapid rolling will splatter and may become airborne on higher buildings.

SPRAY GUN:

Pressure	3000 psi at 2.5-3 gal. / min. for high volume
Tip	.017-.029 reversible, self-cleaning, with 40-50° fan angle
Spray Gun	Standard Contractor Gun- no filters
Extension	12" wand extension recommended
Line	3/8" minimum I.D. high pressure & gun hose whip and swivel for rated pressure

Application of Acry-Tek 9000 above maximum or below minimum recommended spreading rate might adversely affect coating performance.

SAFETY PRECAUTIONS

- INSTALLERS should read and understand all technical and informational literature on Acry-Tek 9000, including the Safety Data Sheets, prior to using this product.
- Designed for professional installation, caution should be exercised to prevent mishap due to improper handling.

Published technical data and instructions are subject to change without notice. Contact your ARS representative for additional technical data and instructions.

To the best of our knowledge, all technical data contained herein is true and accurate as of the date of issuance and subject to change without prior notice. User must contact Accella Roofing Solutions (ARS) to verify correctness before specifying or ordering. We guarantee our products to conform to the quality control standards established by ARS. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of the product. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY ARS EXPRESSED OR IMPLIED; STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

CLEANUP INSTRUCTIONS

- Clean spills and spatters immediately with water.
- After cleaning with water, flush spray equipment with mineral spirits to prevent rusting of the equipment.

PERFORMANCE TIPS

- POWER MIX BEFORE USING
- Acry-Tek 9000 may be applied directly to any clean, dry surface.
- Acry-Tek 9000 may be sprayed, brushed, or rolled.
- When spraying Acry-Tek 9000, pay special attention to over-spray that may texturize adjacent surfaces. Wind direction should be toward the applicator. The over spray will discolor and show dirt faster. Application procedures should be designed to keep a wet edge for best results.
- When spraying with high-pressure hose, a 3/8" ID gun hose whip and swivel with adequate working pressure and appropriate lining or tube is recommended.
- Polyurethane foam should be coated within 24 hours of application. Subsequent coats should be applied within 24 hours of prior applications to insure full and uniform adhesion.
- Before applying a subsequent coat of this product, the previous coat must be completely dry and cured.
- If any contamination of a thoroughly cured surface occurs, it must be washed with a chemical cleaner before applying subsequent coats.
- Applications by hand can be done with squeegees and rollers. Use 1/8" squeegee for .75-1.0 gal. / sq. and 3/16" squeegee for 1.25-1.5 gal. / sq. Back-roll with 0.5 - 0.75" solvent-resistant rollers. Material can be brushed on metal roofs using soft split bristle nylon brushes. Pour or pump material in the center of the rib and brush into surface. Make a final pass across the entire rib to remove brush marks.
- Acry-Tek 9000 is supplied ready to use. Thinning is not normally needed or recommended.
- Because both colder temperatures and high humidity retard the curing process, there must not be any moisture present on the surface whatsoever.
- ARS does not recommend application on flat roofs where ponding water is present over 48 hours after rainfall or during late afternoon hours when conditions are conducive to high moisture condensation.

PONDING WATER:

- Accella Roofing Solutions warranties do not cover damage due to ponding water.
- The National Roofing Contractors Association considers ponding water on any roof undesirable. (See the NRCA Roofing and Waterproofing Manual).

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