

## PRODUCT INFORMATION

Acry-Tek 5000 is a bright white, high hide, single component, low viscosity, high body 50% solids emulsion polymer, based on elastomeric acrylic resins for spray, brush or roller applications. Acry-Tek 5000 is designed to provide long-lasting trouble-free systems for the renewal and maintenance of many types of roofs.

- Offers excellent adhesion to properly prepared EPDM
- A barrier to ultraviolet light, which prevents degradation of the roofing substrate.
- Significantly lowers roof surface temperatures, which can help reduce cooling bills.
- Excellent dirt pick-up resistance.
- Excellent flexibility at temperatures as low as 0°C or 32°F (below the temperature at which unmodified asphalt becomes brittle).

**RECOMMENDED USES:** This product is designed to be used as an EPDM coating as well as a general-purpose roof coating. Excellent adhesion will be achieved over EPDM (properly prepared according to specification with Prep-Tek 500), polyurethane foam, concrete, masonry, primed metal, and primed wood. This product may be used as a basecoat / top coat-roofing system, or may be used as a topcoat over urethane or butyl coatings. See application specification or contact Accella Roofing Solutions. for specific application information.

## PRODUCT CHARACTERISTICS

**FINISH:** Bright White (CRRC Listed) Lt. Grey, Dk. Grey

**COLOR:** Contact Accella Roofing Solutions for availability, lead times, and pricing for special colors

**VISCOSITY:** 6,000 - 8,000 cps Nominal

**WEIGHT PER GALLON:** 11.4 lbs./gal.

**VOC:** < 50 grams / liter

**RECOMMENDED SPREAD RATE:** 75 sq. ft. / gal. per coat

*Drying time is temperature, humidity, and film thickness dependent.*

**DRYING SCHEDULE:** At 75 sq. ft. / gal.

	50°F	70°F	110°F
<b>To Touch</b>	4 hrs.	2 hr.	45 min.
<b>To Recoat</b>	1 day	6 hrs.	4 hrs.
<b>To Cure</b>	30 days	20 days	10 days

## PERFORMANCE CHARACTERISTICS

PHYSICAL PROPERTY	TYPICAL VALUE	ASTM TEST METHOD
<b>Solids By Weight:</b>	60% ± 2	D-1353
<b>Solids By Volume:</b>	50% ± 4	D-2697
<b>Tensile Strength:</b>	250 psi ± 20	D-412
<b>Elongation at Break:</b>	300%	D-412
<b>Initial Solar Reflectance:</b>	>.85	E-903
<b>Initial Solar Emittance:</b>	0.9	C-1371
<b>Reflectivity (White):</b>	82%	C-1549
<b>Emissivity (White):</b>	.84	C-1371

PHYSICAL PROPERTY	TEST PROCEDURE	RESULT
<b>Accelerated Weathering UV Resistance</b>	Weatherometer Type EH-Continuous UV at elevated temperature	After 1,000 hours of continuous exposure, Acry-Tek 5000 showed no deterioration, no surface checking, cracking, or delamination.
<b>Film Breathing Ability</b>	Honeywell Water Vapor Transmission Rate Tester. ASTM E398	At 20 mils dry Acry-Tek 5000 has a perm rating of 3 allowing moisture vapor within building to pass through the coating while preventing the penetration of mass water from the exterior.
<b>Low/High Temperatures</b>	Aged films tested in accordance with ASTM D822 in thermostatically controlled heat chamber and freezer.	Films retained their ability to be flexed 180° without cracking at temperatures from -15°F to 130°F with no age hardening or slump.

## ORDERING INFORMATION

**Shelf Life:** (unopened containers) - 6 months from date of shipment when stored between 35°F and 75°F.

**Flammability:** Non-Flammable

## SHIPPING 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

**DO NOT FREEZE**

## 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.

# Application Procedures

# Acry-Tek 5000

For Professional Use Only  
Do Not Thin

## CONDITIONS

### TEMPERATURE:

Air and Surface: 50°F Minimum 140°F Maximum

Material: 50°F Minimum 100°F Maximum

**RELATIVE HUMIDITY:** Acry-Tek 5000 should not be applied in high humidity conditions.

**Do not apply when the temperature can fall to within 5°F of the dew point within 6 hours.**

This product cures by water evaporation only. Do not apply if rain or dew is likely to occur before Acry-Tek 5000 is fully cured. It is very important that Acry-Tek 5000 not be used when temperatures are below 50°F, or when there is a chance that the temperature could fall below 32°F within a 24-hour period after application. Late afternoon application is not recommended if high humidity conditions exist, which could cause high moisture concentration on the surface overnight.

## GENERAL

**BRUSH:** No Reduction necessary. Use nylon/polyester brush. Do not over-brush as material may start to pull.

**ROLLER:** No reduction necessary. Use 1/2" to 1 1/2" nap synthetic rollers. Keep a wet edge to avoid ripping which may change appearance. If ripping is a problem, extend lap time to after materials have skinned. Avoid rapid rolling which causes bubbling.

### AIRLESS SPRAY-HIGH VOLUME:

<b>Output</b>	2-3 gal per min.
<b>Pressure</b>	3,000-4,000 psi
<b>Spray Gun</b>	Graco Contactor rated for pressure
<b>Tip</b>	.37-.56 reversible
<b>Extension</b>	12" gun extension recommended

## SPECIAL CONDITIONS

**MILDEW:** Must be removed by power washing and broom scrubbing with a solution of 16 oz. household bleach with 2 oz. HP404 or liquid detergent per gal. of water. Rinse clean and dry.

**PONDING WATER:** Water based coatings should not be applied on roofs collecting ponding water. The National Roofing Contractors Association considers ponding water on any roof unacceptable. (See the NRCA Roofing and Waterproofing Manual).

Do not use without a vapor barrier in cryogenic tank or cold storage roofing applications.

**CURING PROCEDURES:** If moisture settles on uncured Acry-Tek 5000 for a period of time, a brown residue may form on the surface. While this residue will not affect the performance of the cured film, it must be removed prior to applying an additional coat of Acry-Tek 5000. A good way to avoid this residue is to broom off any water in the morning with a soft bristle broom while drying the roof. If residue has been allowed to dry, add clean water and broom scrub the surface, rinse off residue, and allow the surface to dry, then recoat with Acry-Tek 5000. Common sense and strict adherence to application procedures will prevent this problem.

Applications over colors in direct sunlight and hot metal surfaces may skin too quickly and blister if applied too heavily.

Pay special attention to over spray. This can texture and discolor adjoining or finished sections and show lap lines and patterns. Wind direction should go toward the roofer.

Before applying a subsequent coat 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 additional coating.

*Please consult Accella Roofing Solution's Technical Department for any specific questions regarding the application of this product.*

## CLEANUP INSTRUCTIONS

Clean spills and spatters immediately with water.

After cleaning, flush spray equipment with water followed by propylene glycol to prevent unit from rusting.

## SAFETY PRECAUTIONS

Refer to the SDS sheet before use.

**For Chemical Emergencies, spills, leaks, exposure, or accidents CALL: CHEMTREC DAY/NIGHT 1-800-424-9300**

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.

