

AC•Tech 2170™ SLP is a concentrated, thinly applied non-porous substrate primer specifically designed for maximum adhesion between non-porous substrates and cementitious products. It is used as a bonding agent for interior applications of cementitious self-leveling underlayments, patches and wear surfaces when applied directly to cured AC•Tech 2170™ Vapor Reduction Systems. Without a primer, self-leveling underlayments, patches and other cementitious materials will not bond correctly to the cured AC•Tech 2170™. Because of this, applications of any cementitious product over the AC•Tech 2170™ or other non-porous substrates should be primed with the **AC•Tech 2170™ SLP** to ensure a proper bond to substrate. **AC•Tech 2170™ SLP** is a single coat, solvent free water-based primer for that can be applied to a variety of non-porous surfaces, including: cured AC•Tech 2170™ Vapor Reduction Systems, quarry/ceramic tile, marble, terrazzo, metal decks and wooden (plywood) surfaces. While The **AC•Tech 2170™ SLP** may be used with most cementitious products, consult the product manufacturer for more information and compatibility requirements.

Features

- Water Based / Solvent Free
- VOC Compliant
- Excellent Coverage Rate
- Non-Flammable, Non-Toxic
- Creates an Excellent Bond
- Water and Alkalinity Resistant
- Single Component Liquid
- Easy to Apply
- Fast Drying (30-60 Minutes)

Technical Data

Non-Hazardous	29 CFR 1910.1200
pH (68° F)	6.5 - 8
Solids Content	51 - 53 %
Viscosity	80 - 300 CPS
VOC Content	0.0 g/l
Flash Point	None
Freeze Point	32 °F
Boiling Point	> 212 °F
Density	8.9 lbs / Gallon

The information contained in this Technical Data Sheet is of general nature and is provided in good faith. We accept no liability for errors or omissions. Use and application of this product are out of manufacturer's control and is dependent on substrate load (possible contaminates), methods of preparation and application parameters as well as particularities of individual installations. Our advice, verbal, written or based on test results, does not exempt the applicator from testing the suitability of the products for the intended use.

Packaging

Packaging	1 & 2.5 Gallon Units
Color	Translucent Blue
Storage	12 months, in original unopened containers, from the manufacturing date. Must be stored in a cool, dry stable environment. Do not expose to direct sunlight; DO NOT ALLOW TO FREEZE.

Details for Application

Substrate Temperature	50° - 90° F
Storage Temperature	50° - 90° F
Application Humidity Dew Point	+5° F (Steady and/or rising)
Cure Time (75 °F)	~1 Hour

Coverage Rates

Substrate	Spread Rate
Non-Porous	800 - 1600 Sq. Ft. / Gallon
Porous	50 - 900 Sq. Ft. / Gallon

All above values are approximate and may be used as guidelines for specifications. Spread rates, thickness, cure times and resistance values are approximate and dependent upon the surface of application, ambient temperature and humidity conditions of the job site as well as the concentration and layer thickness of material. Consult AC•Tech Technical staff if you are unfamiliar with this product and application.

NOTE: THIS MATERIAL MUST BE APPLIED TO CURED AC•TECH 2170™ PRODUCTS IN A THIN, CONTINUOUS COAT. THIS COATING MUST BE THIN. IF COATING IS APPLIED TOO THICK OR ALLOWED TO PUDDLE, ADHESION OF THE SUBSEQUENT UNDERLAYMENT MAY BE COMPROMISED. READ APPLICATION INSTRUCTIONS THOROUGHLY PRIOR TO INSTALLATION.

1. Surface Preparation

The AC•Tech 2170™ SLP primer is designed for application to non-porous surfaces, such as the cured AC•Tech 2170™ Vapor Reduction Systems, to ensure a proper bond of any subsequent cementitious overlay applications. The substrate surface must be cured, free of any dust and/or debris, and cleaned per SSPC-SP 13 / NACE No. 6. Concrete substrates must comply with and adhere to ACI 201 (Committee Report) and be sound, completely clean, free of any oils (organic hydrocarbons), waxes, grease, sealers, curing compounds,

asphalt, paint, wall-board joint compound, dirt, loose surface material and any contaminants that may act as a bond breaker. Acid etching or chemical cleaning of the substrate is not acceptable. The AC•Tech 2170™ SLP must be used as a surface preparation and primer for any application cementitious underlayments, screed or patch material installed over any non-porous substrate including the cured AC•Tech 2170™ Vapor Reduction Systems for proper adhesion and bonding.

Note: AC•Tech recommends broadcasting fine sand over the sub-floor prior to vacuuming. This is a good marker to ensure that the entire sub-floor has been completely vacuumed of all debris. Do not use any dust prohibiting or oil containing sweeping materials.

2. Installation Conditions

Prior to installing the AC•Tech 2170™ SLP, ensure that air, substrate and 2170™ SLP material are within 50° - 90° F. Ensure that air and substrate temperatures are not within 5° F of the dew point. Condensation prior to or during application as well as during curing could effect the quality of the 2170™ SLP installation.

When applying product in areas with fluctuating temperatures or outdoors, ensure temperatures are steady and/or falling at time of application. When temperatures are within 5°F of dew point, ensure temperatures are steady and/or rising at time of application.

For help determining the dew point, please see the AC•Tech Dew Point Chart or contact the AC•Tech technical staff.

3. Exterior Applications

When dealing with exterior applications or buildings without functioning climate control / HVAC, ensure care is taken to protect the material from dust, debris and damage. Do not let applied material come in contact with water during the curing phase. If the material does come in contact with water prior to full cure, the product must be completely removed via scraping or best available method. The substrate must then be dried and the 2170™ SLP must be re-applied prior to proceeding with subsequent cementitious materials.

Please consult AC•Tech Technical staff for any questions or concerns regarding these parameters.

4. Mixing Instructions

Place the containers of the AC•Tech 2170™ SLP to be used in the area to be applied to allow for temperature stabilization. To mix, shake containers vigorously or pour contents into a mixing bucket to thoroughly mix the single component using a paint or “Jiffy” type mixer and a low RPM drill. Do not induce air into mix.

5. Application Instructions

Apply a thin, even coat of AC•Tech 2170™ SLP at a thickness of 1 - 2 mils using a short nap 1/16” roller, squeegee or a clean mop to spread the material. Apply an even, uniform film, leaving no areas untreated. DO NOT LET MATERIAL PUDDLE. If material puddles, use a clean brush or mop to evenly spread material. Do not apply excess material; heavy, thick or puddled applications may compromise the adhesion of any subsequent cementitious material.

A second coating may be necessary when application is over a very porous substrate (such as terracotta tile). When applying two coats, ensure that both applications are thin and contain no build up of excessive material or puddles.

The cure time may vary according to ambient temperatures and humidity; low temperatures and high humidity will extend cure time. This material will usually be cured within 1 hour @ 70° F/ 55% RH. Material will cure to a translucent blue film. Application of cementitious underlayment may be done as soon as material is dry / cured.

AC•Tech recommends mixing a small test batch of the cementitious material and installing a test area in order to ensure compatibility of the AC•Tech 2170 SLP with the subsequent cementitious material.

Apply underlayment material within 2 days of primer application. If application is delayed longer than 2 days, apply an additional thin coating of the AC•Tech 2170 SLP and follow above instructions.

6. Ventilation

Use only in a well ventilated area. Provide an adequate flow of air while curing.

7. Clean Up

Use water to clean all tools before material hardens. Do not use xylene, acetone, or other harsh cleaners.

8. Precautions

- For interior use only.
- Do not install on substrates below 50° F.
- Install only on properly cleaned and prepared substrates
- Apply in a very thin application only.
- Do not install over any gypsum products.
- Do not add any type of additive to mix.
- Consult flooring manufacturer for any additional instructions concerning allowable moisture content of substrate & the proper adhesive to use.
- Consult SDS for additional safety information.
- Do not allow material to freeze.
- Store away from direct sunlight.

9. Warnings

- If product gets into eyes, flush immediately with clean water and call a physician; DO NOT RUB EYES.
- May irritate eyes and skin. If prolonged contact with skin, flush thoroughly with clean water. Gloves and safety glasses/goggles are recommended.
- Do not take internally.
- Liquid material spilled on skin may cause irritation upon drying.

10. Emergency Response

Infotrac: (800) 535-5053

Contract #104212

**FOR COMMERCIAL USE ONLY: KEEP OUT OF REACH OF CHILDREN & PERSONNEL NOT TRAINED IN ITS USAGE
READ SDS & SAFETY PRECAUTION PRIOR TO USE.**