

Tique Wall Systems Dry Base Coat / Adhesive Premium



TECHNICAL DATA

REPORT	TEST METHOD	TEST CRITERIA	TEST RESULTS
Surface Burning	ASTM E-84	< 25 Flame Spread	Pass
		< 450 Smoke Developed	Pass
Adhesion (psi)	ASTM C-297	28 days	> 20 Gypsum Sheathing
			> 15 EPS Board
			> 80 Concrete Block
			> 35 Dens-Glass® Gold

Tique Wall Systems Dry Base Coat / Adhesive Premium is a one component, polymer-modified, cement based, dry powder material used as an adhesive and base coat used in the Tique Wall Systems Continuous Insulation Systems.

FEATURES BENEFITS

One-component	Ready to use; easily mixed with water on the job site
Polymer-modified	Excellent adhesion; increases durability and freeze/thaw resistance
Smooth consistency	Trowels on easily; increases productivity
Vapor permeable	Allows substrate to breathe naturally; resists blistering due to vapor
Factory blended Portland Cement	Assures performance mix ratio
Low cement ratio	Less alkalinity, less free lime, less efflorescence
Bagged powder product	Less solid waste

Coverage

75 – 100 ft² (6.9-9.29 m²) per bag, used for both adhesive and base coat applications.

Adhesive over sheathing and smooth masonry:

200-240 ft² (18.6-22.3 m²) per bag, application with U-notched trowel having 1-1/2" (38 mm) spread between notches; 3/8" x 1/2" notch.

Adhesive over rough or uneven masonry:

95-115 ft² (8.8-11.1 m²) per bag, application with U-notched trowel having 1-1/2" (38 mm) spread between notches; 3/8" x 1/2" x 1/2" notch.

Skim coat:

90-135 ft² (8.4-12.5 m²) per bag

Coverages may vary depending on application technique and surface conditions.

SURFACE PREPARATION

Adhesive Preparation:

Ensure surface is clean, dry and free of surface contamination. Install insulation board with adhesive within 30 days of the application of **Tique Wall Systems Weather-Resistive Barrier** or clean the surface and recoat with **Tique Wall Systems Weather-Resistive Barrier**.

Concrete / Masonry

Surfaces must be clean, dry and free of frost, damage and all bond inhibiting materials, including dirt, efflorescence, laitance, form oil and other foreign matter. Loose or damaged material must be removed by water blasting, sandblasting or mechanical wire brushing and repaired. Avoid application over irregular surfaces. Resurface, patch or level surfaces to required tolerance and smoothness with appropriate Tique Wall Systems leveling materials.

ASTM C 1177— Glass Mat Gypsum Sheathing

Ensure surface is clean, dry and free of surface contamination. Sheathing must be installed and protected in accordance with manufacturer’s and building code requirements. Remove and replace weather damaged sheathing. Avoid application over irregular, out of plane surfaces. Install insulation board with adhesive within 30 days of installation of the sheathing.

Base Coat Preparation:

Insulation board must be rasped and free of all bond inhibiting materials.

Concrete or Masonry

Surfaces must be clean, dry and free of frost, damage and all bond inhibiting materials, including dirt, efflorescence, laitance, form oil and other foreign matter. Loose or damaged material must be removed by water blasting, sandblasting or mechanical wire brushing and repaired.

Packaging

50 lb. bag (23 kg).

Shelf Life

24 months, if unopened, properly stored and protected from moisture.

Storage

Store off the ground in a dry area. Protect from extreme heat [90°F (32°C)], moisture and direct sunlight.

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MIXING

Use 5-6.5 quarts (4.7-6.2 L) of clean, potable water per 50 lb. (23 kg) bag of Tique Wall Systems Dry Base Coat. Mix with a clean, rust-free electric drill and paddle. Allow to set approximately five minutes, adjust mix if necessary by adding up to 12 fl.oz. (0.35 L) of water per bag, remix to a uniform consistency. Avoid re-tempering after mixing of product. Do not exceed maximum amount of water in

APPLICATION

Apply only to sound and clean, dry, properly prepared, frost-free surfaces.

As an Adhesive:

Apply to the back of the insulation board with the appropriate size notched trowel. Form uniform ribbons of adhesive parallel to the short dimension of the board so the ribbons are oriented vertically in relation to the plane of the wall. Immediately install the board horizontally with staggered joints and apply firm uniform pressure over the entire board surface. Do not delay installation once adhesive is applied.

As a Base Coat:

Apply with a stainless steel trowel to an approximate thickness of 1/8" (3 mm). Work horizontally or vertically in strips of 40" (1 m) and immediately embed Tique Wall Systems Reinforcing Mesh in wet base coat by troweling from the center to the edges of the mesh. Avoid wrinkles in the mesh and smooth the base coat to eliminate trowel marks. Minimum recommended dry thickness of the reinforced base coat is 1/16" (1.6 mm) when dry. Reapply additional base coat if necessary to achieve minimum thickness as soon as the first application is dry. Embedded mesh in base coat should not be visible.

As a Skim Coat:

Apply in one application to a maximum thickness of 1/16" (1.6 mm) to the prepared surface and smooth the surface.

Curing/Drying

Dries within 24 hours under normal drying conditions [70°F (21°C), 50% RH]. Allow additional drying time during cold, humid, or wet weather until insulation board is fully adhered before rasping, and before application of primer or finish to hardened Tique Wall Systems Dry Base Coat. Protect from rain, freezing and continuous high humidity until completely dry. Tique Wall Systems recommends using Tique Wall Systems Primer prior to application of finish.

Clean Up

Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

LIMITATIONS

Use Tique Wall Systems Dry Base Coat only when surface and ambient temperatures are above 40°F (4°C) during application and drying period.

Sloped surfaces: Refer to Tique Wall Systems details.

Tique Wall Systems Dry Base Coat should not be used on weather-exposed horizontal or below grade surfaces or where immersion in water may occur.

Prevent rapid loss of moisture from exposure to direct sun, wind and high temperatures.

Tique Wall Systems Dry Base Coat should not be used as a finish coating.

HEALTH AND SAFETY

Health Precaution

Contains Portland cement and crystalline-free silica. Avoid breathing dust. As with any chemical construction product, exercise care when handling.

DANGER!

Causes serious eye damage and/or skin irritation. May cause an allergic skin reaction, respiratory irritation, drowsiness or dizziness.

Safety Precaution

Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

First Aid:

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eye lids with fingers. Get immediate medical attention.

SKIN CONTACT: Immediately wash skin with plenty of soap and water for at least 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

INHALATION: If inhaled, remove to fresh air. If not breathing give artificial respiration or give oxygen by trained personnel. Seek medical attention immediately.

INGESTION: If swallowed, do NOT induce vomiting. Call a physician or a poison control center immediately. Never give anything by mouth to an unconscious person.

Spills

Contain and collect in an appropriate container. Uncured material may be removed with water.

Disposal

Dispose of in accordance with local, state or federal regulations.

Warning

KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY. Consult the Safety Data Sheet (SDS) for further health and safety information.

LIMITED WARRANTY

This product is subject to a written limited warranty. Refer to Tique Wall Systems Specifications for more complete information on proper use and handling of this product.



697 Oakwood Ave
West Hartford, CT 06110
860-761-2830

This product is intended for use by qualified professional contractors. All information conforms to the standard detail recommendations and specifications for the installation of Tique Wall Systems and is presented in good faith as of the date of publication of this document. GREENMAKER INDUSTRIES ASSUMES NO LIABILITY, EXPRESSED OR IMPLIED, AS TO THE WORKMANSHIP, ENGINEERING OR ARCHITECTURE OF ANY PROJECT. For more information regarding this product or additional Tique Wall Systems products, please contact a Tique Wall Systems Representative at (860) 761-2830 or visit our website www.TiqueWallSystems.com.