
1. PURPOSE

- 1.1 The purpose of this document is to establish uniform procedures for installing TREMGard® HB decorative and protective, water-based, acrylic wall coating.
- 1.2 The techniques involved may require modifications to adjust to job site conditions. Consult your local Tremco Sales Representative or Tremco Technical Services for specific requirements.

2. SCOPE

- 2.1 This document will provide many of the necessary instructions for the application of the Wall Coatings to qualify for the manufacturer's warranty. Tremco recognizes that site specific conditions, weather patterns, contractor preferences and job detailing may require deviation or alteration from these prescribed installation procedures. When such circumstances and situations exist on a project, Tremco recommends that the local Tremco Sales Representative or Tremco Technical Services be contacted for assistance and approval as required.

3. SURFACE PREPERATION

Follow ASTM D 3359 Method A to check for proper adhesion as well as to determine if a primer is required.

3.1 Concrete

- 3.1a New concrete and masonry shall be a minimum of 28 days cured and shall not have moisture content in excess of 6% at the time of application.
- 3.1b The surface to receive coating must be structurally sound, clean, dry, and free of dust, oil, from release agents, peeling paint, curing compounds and other contaminants. The preferred method is a highpressure water blast to achieve a sandpaper like texture or a CSP of 3. Refer to ICRI 03732 for further detail. Cleaning is best achieved using a high-pressure power washer of at least 2000 psi. Do not apply acrylic wall coatings over silicone coated surfaces.

3.2 Brick and CMU

- 3.2a New CMU and brick walls must be fully cured prior to application.
- 3.2b The surface to receive coating must be structurally sounds, clean, dry, and free of dust, oil, form release agents, peeling paint, curing and other contaminants. Remove all mortar excess and splatter. The preferred method is a high-pressure water blast to achieve a sandpaper-like texture. Do not apply acrylic wall coatings over silicone coated surfaces.
- 3.2c For porous CMU, utilize TREMGard Masonry Primer

3.3 Stucco and Plaster

- 3.3a The surface to receive coating must be structurally sound, clean, dry and free of dust, oil, form release agents, peeling paint, curing compounds and other contaminants. The preferred method is a water blast to achieve a sandpaper-like texture. Do not let the water pressure exceed 500 psi at the surface integrity can be compromised. Do not apply acrylic wall coatings over silicone coated surfaced.
- 3.3b Allow new stucco or plaster to cure a minimum of 14 days or until the pH is 10 or lower.

3.4 EIFS (Exterior Insulation and Finish Systems)

- 3.4a Examine surface for any loose or delaminated EPS (Expanded Polystyrene) and refasten according to manufacturer's approved methods.
- 3.4b Repair any damaged or missing finish according to manufacturer's approved methods.
- 3.4c Allow repaired or replaced EIFS to fully cure.
- 3.4d Refer to manufacturer's product data sheet for all procedures and repair of EIFS.
- 3.4e Surface to receive coating must be structurally sound, clean, dry, and free of dust, oil, from release agents, peeling paint, curing compounds, and other contaminants. The preferred method is a pressure water blast to achieve a sandpaper-like texture. Do not let the water pressure exceed 500 psi as the surface integrity can be compromised. Do not apply acrylic wall coatings over silicone coated surfaces.

3.5 Metals

3.5a The surface to receive coating must be structurally sound, clean, dry and free of dust, oil, release agents, peeling paint, curing compound, and other contaminants. The preferred method is pressure water blast to achieve a sandpaper like texture. The preferred method is pressure water blast of 1500 psi. Prime all rust areas with a rust primer. Do not apply acrylic wall coatings over silicone painted surfaces.

3.5b An adhesion test should be performed to determine if metal primer is necessary.

3.6 Existing Coatings

3.6a the surface to receive coating must be structurally sound, clean, dry, and free of dust, oil, from release agents, peeling paint, curing compounds, and other contaminants. The preferred method is a highpressure water blast to achieve a sandpaper like texture. Do not apply acrylic wall coatings over silicone coated surfaced.

3.6b Gently run a scraper across any existing chipped or flaked surface.

3.6c Sand the leading edges of the existing coating.

3.6d Use air pressure to remove any loose dust or particles on the substrate.

3.7 Crack Repairs

3.7a For small holes, voids, and cracks up to ¼" (6mm), Tremco's Dymonic® 100 is the approved sealant.

3.7b For all cracks greater than or equal to ¼" (6mm), use a Tremco approved crack filler.

3.7c TREMGard HB can be applied over Dymonic 100 after a thick sin has formed on the sealants. All other repair materials must be fully cured prior to receiving the coating. Refer to respective application instructions for cure times. Temperatures and humidity will affect the rate of cure. Consult Tremco Technical Services for further details.

4. MIXING

4.1 Wall Coatings should be mechanically mixed using a low speed ¾" (19 mm) drill with a mixing paddle. Mix thoroughly to ensure a uniform color and smooth consistency. Do not aerate the mix.

4.2 If multiple pails will be required for the application, the contents of each new pail should be mixed into partially used pails to ensure color consistent. Repeat this procedure (boxing) throughout the project.

5. PRIMING

5.1 Use TREMGard Masonry primer as block filler and for small voids and pores to give the surface a uniform appearance.

5.2 Use TREMGard H/P Primer for porous surfaces between 90° - 120°F (32° - 49°C).

6. APPLICATION

6.1 TREMGard Hb is designed to be applied as a single-coat system. Product can be applied to painted or primed block at 24 wet mils yielding 12 dry mils (75 ft²/gal). Product can be applied to bare block at 32 wet mils yielding 16 dry mils (50 ft²/gal). Warrantable application requires a minimum of 10 dry mils. Coverage rate may vary depending upon the porosity and wet mils applied.

6.2 TREMGard wall coatings can be applied by roller, sprayer, or brush.

6.3 Proper wet-film thickness should be monitored throughout the project to ensure the desired performance characteristics.

6.4 Roller applications

6.4a Recommended nap sizes for roller applications are 3/8" (9.5 mm). Surfaces with a higher porosity require a heavier nap.

6.4b Saturate the roller with the coating to build the required wet mils. It is not recommended to dry roll.

6.4c Apply TREMGard wall coatings in a double-pass or fanlike manner and back roll in the same direction to reduce visual texture differences.

6.5 Spray Applications

6.5a Spray applications will require a heavy-duty sprayer designed for architectural coatings. For equipment requirements, see sprayer guide at the end of this document.

6.5b Spray the TREMGard HB wall coating using a "cross coat" technique (horizontal pass followed by a vertical pass) . Avoid applying too thick, which can cause the product to run down the wall or puddle.

6.5c Finish coat should be pinhole free. Back rolling is recommended with spray applications. Back roll in the same direction to reduce visual texture differences.

6.5d Spray application is not recommended during windy conditions due to overspray.

6.6 Brush Applications

6.6a For small and/or inaccessible areas, a brush is recommended. Nylon only brushes can be used.

7. CLEAN UP

- 7.1 TREMGard Hb is designed to be applied as a single-coat system. Product can be applied to painted or primed block at 24 wet mils yielding 12 dry mils (75 ft²/gal). Product can be applied to bare block at 32 wet mils yielding 16 dry mils (50 ft²/gal). Warrantable application requires a minimum of 10 dry mils. Coverage rate may vary depending upon the porosity and wet mils applied.

8. BEST PRACTICES

- 8.1 Protect from freezing
- 8.2 Concrete and masonry must cure a minimum of 28 days and shall not have moisture content in excess of 6% at the time of application.
- 8.3 Do not dilute or thin.
- 8.4 Do not apply if rain is anticipated within 12 hours.
- 8.5 Do not apply in freezing temperatures, over frozen or frost laden substrates. Surface temperature must be 50°F (10°C), dry and rising. Dew point must be 5° above ambient temperature.
- 8.6 Do not apply if weather conditions will not permit complete drying before rain, dew or freezing temperatures.
- 8.7 Caution should be taken when applying coatings in windy conditions where dust, dirt, sand or salts can become airborne. Dust, dirt, sand, and salt entrapment may impact the appearance of the coating in an undesired appearance of the coating in an undesired fashion.
- 8.8 Do not apply over traffic bearing surfaces.
- 8.9 Do not apply to existing coatings if compatibility and adhesion is unknown. Adhesion tests using ASTM D 3359 Method A should be performed on-site and verified prior to the coating application.
- 8.10 Consult the Safety Data Sheet before use.
- 8.11 Do not apply over silicone sealants. Contact your local Tremco Sales representative or Tremco Technical Services for more information.

Spray Equipment Recommendations

Pumps: Graco King 45:1, Graco Bulldog 30 or gas powered equivalents, Graco GH733, Graco GH300, or Gmax 7900 or other manufacturers' equivalents

Hose/Pressure: 50 – 300' length (depending on spray rig pressure). When using hoses longer than 100', use the next larger hose ID every 50'. Every 50' of hose will reduce the spray gun tip. i.e. 300' hose – 3/4" (50/100') to 5/8" (50/100') to 1/2" (50/100') to 3/8" (50')

Tip Sizes:

FAN WIDTH	.039	.041	.043	.045	.047	.049
10" – 12" (254 – 305 mm)	539	541	543	545	547	549
12" – 14" (305 – 355 mm)	639	641	643	645	647	649
14" – 16" (305 – 406 mm)	739	741	743		747	749
16" – 18" (406 – 457 mm)	839	841	843		847	
Flow Rate	1.60 gpm	1.80 gpm	1.98 gpm	2.17 gpm	2.37 gpm	2.58 gpm

*Good results are generally obtained @ 2000 – 3000 psi at spray tip

Gun: Graco Contractor Gun, Graco Contractor FTx gun, Graco Silver Plus or equivalent. Tip extrusions or pole guns can be used

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