CERTI-VEX® BLOCK FILL
MASONRY BLOCK FILL • MEETS WIND DRIVEN RAIN TEST TT-C-555

DESCRIPTION
The most important link in the waterproofing coating chain is the material that is applied to the concrete. Use the only leading block fill that meets wind driven rain test of Federal Specification 1098. CERTI-VEX BLOCK FILL is a styrene acrylic, high-build, solvent based coating applied to masonry block concrete to fill in the pores and capillaries and provide a uniform, sealed surface. It contains non-asbestos fibers, which assist in bridging holes and voids, and provides an excellent bond between the block and subsequent topcoats. Available in two versions to meet your requirements, both of which meet Federal Specification TT-C-555 wind driven rain test: Smooth or Fibered. For a complete decorative waterproofing system, topcoat with Certi-Vex HBC Smooth or StarSeal® HBC Smooth Emulsion to meet Fed. Spec. TT-C-555 B.

BENEFITS
- Meets all the performance requirements of Federal specification TT-C-555 wind driven rain test
- Flexible and durable
- Provides an excellent bond between porous substrates and top coating
- Apply over fresh concrete and mortar
- Provides a uniform background and sealed surface
- One coat application
- Ready mixed
- Accepts most topcoats
- Can apply to 20°F (-6°C) and rising
- Fills in pores and capillaries

SURFACE PREPARATION
- Surfaces should be cleared of all foreign materials such as oil, grease, asphalt, atmospheric stains, dirt and powdery substances using one of Vexcon’s Concrete and Masonry Cleaners. For more information go to vexcon.com/cleaners.
- On old or existing masonry or concrete surfaces where there is loose scaly residue, sandblasting or wire brushing may be necessary.
- Small cracks, voids and blemishes may be filled by troweling Certi-Vex HBC Textured or Certi-Vex Patch RTU with a large flat bladed spatula.
- Large holes and damaged areas should be repaired using one of Vexcon’s high quality repair mortars.
- Plywood, wood and metal surfaces should be primed with Certi-Vex AC 1315 or StarSeal 1315

APPLICATION
- Follow surface preparation directions prior to application.
- Apply by spray equipment using equipment specified or Vexcon approved equal (refer to equipment section).
- Material must be stirred or agitated thoroughly before use.
- If spraying is not possible, apply to dry and clean masonry block by brush, roller or trowel at the rate of 50sq.ft/gallon.
- Begin application from the highest point. Apply a significant amount of product to completely cover the surface area.
- Succeeding passes must lap the previous run down.
- Smooth the surface with a brush or trowel to form a uniform and level surface.
- Back rolling the Certi-Vex Block Fill may be necessary to close and cover all pores.
- Do not apply if rainfall is imminent or on frosted or frozen surfaces. Properly applied in accordance to conditions, rain resistance 6-8 hrs. based on our Physical Properties data reporting.
- Can be applied when air and surface temperatures are 20°F-85°F (-6°C-29°C). If air and surface temperatures are below 20°F (-6°C) and above 85°F (29°C), please consult Vexcon’s Cold Weather Application Guide (TN195) or Hot Weather Application Guide (TN194).

COVERAGE
50-60 sq.ft./gal (1.25-1.5 m²/L)

SPECIFICATIONS/COMPLIANCE
- VOC <-400 grams/liter or <3.22 #/gal.
- Meets:
  - USEPA AIM - Waterproofing Sealers and Treatments
  - OTC - Waterproofing Concrete/Masonry Sealers
  - LADCO - Waterproofing Concrete/Masonry Sealers
  - CEPA/EC - Waterproofing Concrete/Masonry Sealers
- Certi-Vex Block Fill may be specified as a block filler for use on exterior or interior masonry or metal surfaces to achieve a decorative high build coating.
- Meets Federal Specification TT-F 1098 for block fill
- Meets Federal Spec. TT-C-555 wind driven rain test
- ASTM C-1315 Class A, Type II
- CSI reference: 09 97 23
SPECIAL NOTES

- All performance specifications and waterproofing characteristics are based on pinhole free applications.
- Shelf Life: If properly stored in its original sealed container, one year. Rotate your stock.
- Storage/Handling: Store in tightly sealed original factory container. Keep from freezing and exposure to moisture. Store at room temperature prior to use. Care should be taken to keep dirt, water and contaminants away from the opening of containers.
- Delivery: Deliver materials to site in manufacturer’s original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- Proper application of Vexcon material is the responsibility of the installer or user. Telephone consultation and/or field visits by Vexcon personnel are for the sole purpose of making technical recommendations only, and not for providing quality control or supervision on location.

EQUIPMENT CLEANING
Certi-Vex Block Fill will not set up or harden in spraying pumps or hoses overnight; however, spray guns and nozzles should be cleaned daily. The spray systems should be adequately flushed by pumping water through the entire system until pump, hoses and gun are free of residue. If dried, use Certi-Vex Equipment Cleaner, and then flush with water.

INDEPENDENT TEST DATA
TTF-1098 TEST RESULTS
DL LABS-11884A
The following observations were noted after each of the coatings was exposed for 8 hours to wind driven rain equivalent to a 98 mile per hour wind pressure.

<table>
<thead>
<tr>
<th>Coating</th>
<th>Certi-Vex Block Fill</th>
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</thead>
<tbody>
<tr>
<td>Dampness on panel backs</td>
<td>None</td>
</tr>
<tr>
<td>Appearance of water on backs</td>
<td>None</td>
</tr>
<tr>
<td>Water leakage</td>
<td>None</td>
</tr>
</tbody>
</table>

Conclusion
The submitted coating, namely; Certi-Vex Block Fill exhibits a wall performance rating of excellent (E) as outlined in Par. 4.3.6.4 of Federal Specification TT-F-1098.

SPRAYING EQUIPMENT DATA

PUMPS:
Electric: Titan Powertwin:
4500-5500-10,000

Air:
Graco Bulldog 33:1

Gas:
Graco 5000-7000-10,000
Graco GM 1030 with quick change GM 3012 Kit

*NOTE:* Remove all filters prior to spraying

Tip: 040-045
Fluid Hose: 3/4 in. (19mm) ID
Air Hose: 3/8 in. (10mm) ID
Air Pressure: 80 lbs minimum 25 CFM
Spray equipment must be cleaned and maintained in accordance with manufacturer’s directions.

Consult Vexcon for additional recommendations on spraying equipment and techniques on Certi-Vex Block Fill fibered.

VITAL STATISTICS

- Flash Point: 106ºF (41ºC) Closed cup
- Boiling Point: 310-495ºF (154-257ºC)
- Auto ignition Temp: Above 473ºF (245ºC)
- Extinguishing Media: Foam, dry chemical, CO₂ water may be used to reduce the rate of burning and for cooling containers.

PHYSICAL PROPERTIES

- Dry time:
  - Let dry overnight before top coating, check for completeness of dry prior to recoating
  - Touch: 1 - 3 hours
  - Solids by Wt%: 78%
  - Solids by Volume %: 52%
  - Wt/gal: 12.5 #gal.
  - DFT @ 50-60 sq.ft./gal: 16-19 mils
  - Solvent Reducer: Certi-Vex Equipment Cleaner

Note: Dry time and curing time depends on air temperature and film thickness. All calculations based upon 68-77ºF (20-25ºC) at 50% Rh. Low temperatures and relative humidity will extend dry time.

PACKAGING
Certi-Vex Block Fill is available in 50-gallon drums and 5-gallon pails. Contact Vexcon directly to discuss your customized packaging requirements.

HEALTH AND SAFETY

- Use only with adequate ventilation.
- Use of gloves, goggles and other protective clothing is advised when using this product.
- If swallowed, do not induce vomiting.
- Use of respirator is advised when sing in confined areas.

Vexcon SDSVW107 is an integral part of the safety and application of our product. Before using this Vexcon product it is advisable to obtain a current copy of the SDS from your distributor or from vexcon.com.

CONTACT US @
Additional product information, technical assistance and customer services are available by contacting Vexcon Chemicals directly, or our distributors.

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