

**VEXCON**  
CHEMICALS, INC.

Concrete solutions for architects, engineers and builders since 1974

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## **CERTI-VEX HBC<sup>®</sup> TEXTURED & CERTI-VEX HBC<sup>®</sup> SMOOTH**

### **HIGH BUILD MASONRY COATING AND WATER PROOFER**

#### **DESCRIPTION**

**CERTI-VEX HBC TEXTURED & CERTI-VEX HBC SMOOTH** are manufactured from solvent-borne modified acrylic resins with select pigments and fillers including portland cement, to produce a decorative high-build acrylic waterproof coating. This product provides an attractive, breathable, protective coating that enhances the aesthetic appearance of vertical concrete, masonry, block, wood and primed metal surfaces.

Provides excellent adhesion and years of weathering and waterproofing protection from the elements. The product's one coat application saves time and money over typical two and three coat systems.

#### **BENEFITS**

##### **Performance**

- Resistant to UV light, molds and mildew
- Withstands 100 mph wind driven rain
- Covers surface blemishes, cracks and surface imperfections
- Excellent adhesion
- Prevents ingress of chlorides
- Moisture resistant prevents blistering, peeling, cracking and staining
- Bridges hairline cracks
- Exceeds all the performance requirements of Federal specifications TTC-555B and TTP-1411 for waterproofing
- Apply down to 20<sup>o</sup> F (6<sup>o</sup> C) and rising
- Performance warranty
- Breathable
- Can be applied below grade on footings

##### **Application Advantages**

- One coat application
- Apply over highly alkaline surfaces
- Apply to fresh or damp concrete and masonry surfaces
- Apply above and below grade
- Suitable for interior and exterior applications

##### **Money Saving**

- No primer required
- Fast track one coat application
- Outlasts and out performs conventional paints and coatings
- Lower maintenance costs

##### **Design Options**

- 30 attractive colors to choose from
- Custom color matching
- Available in smooth, sand or fine, medium or coarse textures

#### **RECOMMENDED FOR**

Provides decorative, functional protective coating for:

- Retaining Walls
- Precast Concrete
- Building Facades
- Roof Members
- Median Barriers
- Bridges
- Tilt-up Panels
- Balconies
- CMU
- Sound Walls
- Tunnels
- Ceilings
- Columns
- Parapets
- Stucco

#### **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](http://vexcon.com/cleaners).
- On 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 with **Certi-Vex<sup>®</sup> Patch RTU** or **Certi-Vex Patch FP**.
- Large holes and damaged areas should be repaired using one of Vexcon's high quality vertical repair mortars.
- Plywood, wood and metal surfaces should be primed with **Certi-Vex AC 1315** or **StarSeal 1315**.
- For a complete high performing waterproof system apply a first coat of **Certi-Vex Block Fill** to masonry and concrete block to fill in the pores and capillaries and provide a uniform, sealed surface.

#### **APPLICATION**

- Before applying follow the directions for surface preparation above.
- Certi-Vex HBC Textured or HBC Smooth may be applied to damp concrete or masonry surfaces. Apply by 1/2" to 1" roller depending on surface or spray (see equipment section).
- Roller should not be permitted to dry. Keep roller wet with paint. Lay off top coating, back roll in one direction only with wet roller, taking roller off the wall with each stroke to prevent swirls and W's.
- Use 1" nap roller to achieve a pin hole free surface. A single continuous coat will provide waterproofing properties, but it is always suggested to use a thinner second coat to even out application. First coat should be dry before applying additional coat.
- Material must be mechanically stirred thoroughly before use. Shaking is not sufficient, mechanical mixing must be used.
- When spraying, particular care must be taken with spray overlap area. Proper technique for spraying calls for a pattern one half the diameter that is used for typical masonry coatings.
- Certi-Vex HBC Tex/Smooth may be applied to damp or fresh concrete as long as there are no slick water surface spots visible.
- 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 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), consult Vexcon's Cold Weather Application Guide (TN195) or Hot Weather Application Guide (TN194).
- Do not apply on highly windy days. Be especially careful of over-spray.
- The material can be thinned slightly with paint thinner and applied by brush or roller, however, spraying is recommended.
- Application at a rate of 50-80 sq.ft./gal (1.25-2.0 m<sup>2</sup>/L) will provide an average dry film thickness of 13-18 mils (330-460 μm). Be careful to match color and texture when re-coating (see coverage chart).

## COVERAGE/ESTIMATING

Porosity and texture of the surface will affect the coverage rate. The following is a guide for estimating total material requirements. Always test on the actual surface to get precise consumption rates.

Decorative, Water Resistant, Acrylic Coating for Masonry & Concrete Manufactured from Specially Formulated Proprietary Resins				
	CERTI-VEX HBC SMOOTH		Certi-Vex HBC TEXTURED	
System	Modified Acrylic Solvent Base		Modified Acrylic Solvent Base	
Meets VOC – Waterproofing Concrete Masonry Sealer	Yes		Yes	
VOC	<400 grams/liter		< 400 grams/liter	
Colors	Polar White/White Tint Base and 30 Standard Colors		Polar White/ White Tint Base and 30 Standard Colors	
Textured	Smooth		Fine, Medium, Coarse	
Reducer	Paint Thinner		Paint Thinner	
Tinting	White/Tint Base To A Wide Variety of Colors		White/Tint Base To A Wide Variety of Colors	
Volume Solids	53%		59%	
Weight Solids	75%		76%	
Block Stucco	1 Coat Application	60-80sq.ft./gal	1 Coat Application	40-60sq.ft./gal
	2 Coat Application		2 Coat Application	
	1 <sup>st</sup> Coat	120-160 sq.ft./gal	1 <sup>st</sup> Coat	80-120 sq.ft./gal
	2 <sup>nd</sup> Coat	120-160 sq.ft./gal	2 <sup>nd</sup> Coat	80-120 sq.ft./gal
	Final Dry Film Thickness	10-14 mils.	Final Dry Film Thickness	15-23 mils.
Smooth Concrete and Brick	1 Coat Application	70-90sq.ft./gal	1 Coat Application	50-70sq.ft./gal
	2 Coat Application		2 Coat Application	
	1 <sup>st</sup> Coat	140-180 sq.ft./gal	1 <sup>st</sup> Coat	100-140sq.ft./gal
	2 <sup>nd</sup> Coat	140-180sq.ft./gal	2 <sup>nd</sup> Coat	100-140sq.ft./gal
	Final Dry Film Thickness	9-12 mils	Final Dry Film Thickness	13-18 mils.

## SPECIFICATIONS

This product has been tested according to the most current test procedures in the industry. Testing includes water absorption/repellency ratings, penetration and salt spray resistance. Test reports are available upon request.

- VOC – <400 grams/liter or <3.35 #/gal
- Meets:
  - US EPA AIM - Waterproofing Sealers & Treatments
  - OTC, LAD CO/MRPO, CEPA/EC - Waterproofing Concrete/Masonry Sealer
- Federal Specification TTC-555 B
  - Flexibility-Pass
  - Moisture resistance-Pass
  - Accelerated Weathering-Pass
  - Wind driven (100 mph) rain-Pass
  - Breathability, perms 1.5
- Federal Specification TTP-1411
  - Waterproofing concrete and masonry above and below grade-Pass
- Mildew Resistant-This coating contains agents which inhibit the growth of mildew
- ASTM C-309, Type II, Class A & B.
- CSI reference: 09 97 23

## SAMPLE ARCHITECTURAL SPECIFICATION

09 97 23: Basis of design: Concrete will be coated with Certi-Vex HBC Textured/Smooth as manufactured by Vexcon Chemicals, a VOC complaint, modified acrylic texture paint that meets the requirements of Federal Spec. TTC-555B and TT-P-001411. Surface will be coated at 50-80 sq.ft/gallon in accordance with manufacturer's recommendations to provide a decorative, water resistant and waterproof coating.

## PHYSICAL PROPERTIES

- Weight Solids 75-76%
- Dry Time approx. 4 hrs. check for completeness of dry prior to recoating
- Wt/gal 10-12 lbs.

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

## SPRAYING EQUIPMENT INFORMATION

### Spraying Textured Only

<b>Pump</b>	Graco Model HTX-2030
<b>Gun</b>	Graco Model 24R-054
<b>Tip</b>	3/8 in. dia. round as specified below
<b>Fine</b>	167-329 with disk 235-579
<b>Medium</b>	167-330 with disk 235-580
<b>Coarse</b>	248-527 with disk 235-581
<b>Fluid Hose</b>	3/4 in. (19mm) ID
<b>Air Hose</b>	3/8 in. (10mm) ID
<b>Air Pressure</b>	80 lbs minimum 25 CFM

### Spraying Smooth Only

<b>Electric</b>	Graco Ultra 1000
<b>Air</b>	Graco Bulldog 30:1
<b>Gas</b>	Graco 5000

Spray equipment must be cleaned and maintained in accordance with manufacturer's directions. Consult Vexcon for additional recommendations on spraying equipment and technique.

## SPECIAL NOTES

- All performance specifications and waterproofing characteristics are based on pinhole free applications.
- Shelf Life: If properly stored in its original sealed container, 3 yrs from date of manufacture. 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.
- Warranty: Subject to material Limited Warranty and Terms and Conditions of Sale. For more information go to vexcon.com.

## WARRANTY

- Many applications have been in place for over fifteen (15) years. Material applied to manufacturer's instructions over suitably cleaned surfaces at the proper film thickness is covered by a five-year warranty. For more information go to vexcon.com.

## HEALTH AND SAFETY

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

Vexcon SDS VW101 is an integral part of the safety and application of this product. Before using product, obtain a copy from your distributor or visit vexcon.com.

## CONTACT US @

Additional product information, technical and customer service is available by contacting Vexcon Chemicals directly, or our distributors.

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