

Technical Data Guide

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Concrete and Masonry Coatings



Gemcoat-WB™

High performance, water-based, low VOC sealer.

PACKAGING

5 gal (19 L) pail with EZ-pour spout lid.

COLOR

Clear liquid

YIELD

- 348 sq ft/gal at 1 mil dry film thickness

- 200 sq ft/gal is typical as applied for 2-3 dry mil film thickness

- A test area is recommended to determine actual coverage rates.

STORAGE

- Store in clean unopened container.

- Protect from freezing

SHELF LIFE

12 months

VOC CONTENT

0.37 lbs/gal material (44g/L)
1.38 lbs/gal minus water (166 g/L)

DESCRIPTION

Gemcoat-WB™ is a clear, low VOC, low odor masonry block sealer with a full-gloss finish.

PRODUCT HIGHLIGHTS

- Water-based = low odor and water cleanup
- Great for currently occupied buildings.
- Full-gloss finish
- Cleanable with water-based cleaners.
- Very durable

APPLICATIONS

- Vertical or horizontal
- Interior or exterior
- Above grade

SUBSTRATES

- Brick
- Concrete
- Pavers
- Stucco
- Masonry block

HOW TO APPLY SURFACE PREPARATION

1. Stir product before applying.
2. Substrate should be dry and clean of any oil and dirt.
3. Air, product and substrate should be above 55° F.

APPLICATION

1. Ensure area to be coated is dry and clean.
2. Gemcoat-WB™ can be applied with air or airless spray, soft brush or 3/8" nap roller.
3. Product should stand for a minimum of 30 minutes.
4. Product needs to dry overnight before recoating.

DRYING

Air dry 20 minutes at 77° F (22°C) with 65% relative humidity

CLEAN UP

- Clean equipment and tools with hot soapy water.
- Overspray can be cleaned immediately with hot soapy water or water-based cleaners.

HEALTH SAFETY AND ENVIRONMENTAL

- Read, understand and follow all Safety Data Sheets and product label information for Gemcoat- WB™ prior to use.
- The SDS can be obtained by visiting www.yorkbuilding.com/downloads. Or call : 800.673.2408
- For emergencies only call Chem-tel 800.255.3924

FOR BEST PERFORMANCE

- Shake well before using.
- Temperatures of product and environment should be above 55°F for application.
- Protect any surface not intended to be touched by Gemcoat-WB™ with a drop cloth to help with easy clean up.
- Dilute with water as needed.
- 3-5 mils wet film thickness is recommended.
- If spraying, use a .011 to .015 nozzle and adjust air pressure to achieve a smooth, continuous film.
- If rolling, use a 3/8" Nap roller.

- Proper application is the responsibility of the user.
- Make certain the most current versions of product data sheets and SDS are being used.

LIMITED WARRANTY NOTICE

The owner's exclusive remedy against York Building Products shall be payment by York Building Products of the cost of replacement materials to re-treat specific areas to which defective product has been applied. York Building Products shall have no liability for any labor costs, for any damage to the components of the building or any contents of the building, nor for consequential or incidental damages including, but not limited to, lost profits, sales, or revenues, loss of use of the building, costs of any substitute building, facilities, or services, or injury to person or other property. This limited warranty and the remedies provided in this limited warranty are exclusive and are given in lieu of any other warranty, express or implied warranty of merchantability or fitness for a particular purpose. There are no warranties that extend beyond the description in this limited warranty.

York Building Products warrants the surface coating (Gemcoat-WB™) on sound, vertical ground face block on the project identified in the warranty certificate will not chip, crack, peel or yellow due to ultraviolet light for a period of seven (7) years from the date of substantial comple-

tion, provided: a) product was properly applied; b) surface has not been abused or abraded away; and c) property owner gives written notice to York Building Products within thirty (30) days of discovery of the condition giving rise to the claim.

This warranty is a limited warranty and only covers product (Gemcoat-WB™) to retreat areas as identified in the claim for the product furnished by York Building Products. It does not cover any other occurrence or condition, including, for example, failure of the coating due to:

1. Improper surface preparation or improper application or use of the product.
2. Structural movement or defects in the substrate.
3. Use of substandard building materials, faulty construction, poor workmanship or poor or inadequate building design.
4. Cracks or joint areas requiring caulking, sealants or re-pointing.
5. Abrasion or other damage to the surface that product was applied.
6. Repair or subsequent work to the surface that product was applied.
7. Deliberate act of negligence of persons or entities other than York Building Products.
8. Efflorescence or lime run.
9. Unusual natural occurrences or Acts of God such as wind storms, hail, tornadoes or hurricanes.

Technical Data Composition

Gemcoat-WB™ is a blend of resin, additives and water-soluble solvents.

PROPERTY	VALUE
Solids and active ingredients, % by weight	24%
VOC content, lbs/gal	0.37 material (44 g/L) 1.38 (166 g/L) minus water
Specific gravity	1.01927
Density, lbs/gal	8.51
Penetration, in (mm), average depth, depend-	N/A

Test Data

PROPERTY	RESULTS	TEST METHOD
Flash point, °F (°C)	>212 (>100)	ASTM D 3278

Performance Testing Of Gemcoat-WB™(Independent Lab Testing)

TEST/AGENT	DURATION	TEST RESULT
Graffiti Clean	1 Hours	No effect
Crosshatch Adhesion		100% Adhesion
Hydrochloric Acid	3 Hours	No effect
Hydrogen Peroxide	24 Hours	No effect
Magic Marker	{ 4 Days }	Formula 409 removed mark.
Carbon Paper		No damage
#2 Pencil		

* Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.