

Technical Data Guide

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Concrete and Masonry Coatings



Gemcoat™

Solvent-based masonry sealer used for water protection and enhancing premium architectural masonry units.

PACKAGING

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

COLOR

Clear liquid

YIELD

- 250 sq ft/gal at 1.0 mil dry film thickness

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

STORAGE

- Store in clean unopened container.

- Flammable material.

- Protect from ignition source.

SHELF LIFE

12 months

VOC CONTENT

2.99 lbs/gal (359 g/L) minus exempt
0.8 lbs/gal (96 g/L) material VOC

DESCRIPTION

Gemcoat™ is a solvent-based, water-resistant sealer made from 100% acrylic polymer formulation that creates a full-gloss finish that protects and improves the appearance of architectural block.

PRODUCT HIGHLIGHTS

- Fast-drying: dry to the touch in 10 -15 minutes
- Water-resistant yet vapor and air permeable
- Full-gloss finish
- Low film build application: 5 wet mils max
- Very durable
- Meets most state and federal VOC requirements
- Cleanable with commercially available surface cleaners

APPLICATIONS

- Vertical or horizontal
- Exterior
- Above grade

SUBSTRATES

- Brick
- Concrete
- Pavers
- Stucco
- Masonry block

HOW TO APPLY SURFACE PREPARATION

1. Stir product before applying.
2. Substrate must be dry and clean of any oil, dirt and dust.

APPLICATION

1. Ensure area to be coated is dry and clean.
2. Gemcoat™ can be applied with air or airless spray, solvent-safe soft brush or solvent-safe 3/8" nap roller.
3. Product needs to dry 1 hour before recoating.

DRYING

- Air dry 20 minutes at 77 degrees with 65% relative humidity.

CLEAN UP

- Lacquer thinner
- Acetone

HEALTH SAFETY AND ENVIRONMENTAL

- Flammable material
- Read, understand and follow all Safety Data Sheets and product label information for Gemcoat™ 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.
- Protect any surface not intended to be touched by Gemcoat™ with a drop cloth to help with easy clean up.
- Dilute with solvent as needed.
- 4-6 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 solvent-safe 3/8" nap roller.
- If brushing use a solvent-safe soft bristle brush.
- 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™) 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 completion, 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™) 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™ is a blend of resin additives and solvents.

Typical Properties

PROPERTY	VALUE
Solids and active ingredients, % by weight	18.1%
VOC content, lbs/gal	2.99 (359 g/L) minus exempt
Specific gravity	0.93819
Density, lbs/gal	7.83
Penetration, in (mm), average depth, depend-	N/A

Test Data

PROPERTY	RESULTS	TEST METHOD
Flash point, °F (°C)	0°F	ASTM D 3278 *

Performance Testing Of Gemcoat™ (Independent Lab Testing)

TEST/AGENT	DURATION	TEST RESULT
Graffiti Clean	1 Hours	No effect
Formula 409	24 Hours	No effect
Hydrochloric Acid	3 Hours	No effect
Motor Oil	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.