



# ISO-TEK<sup>TM</sup>

HIGH PERFORMANCE  
CONCRETE PROTECTION

432 Park Ave  
New York City  
Iso-Tek<sup>TM</sup> 8501

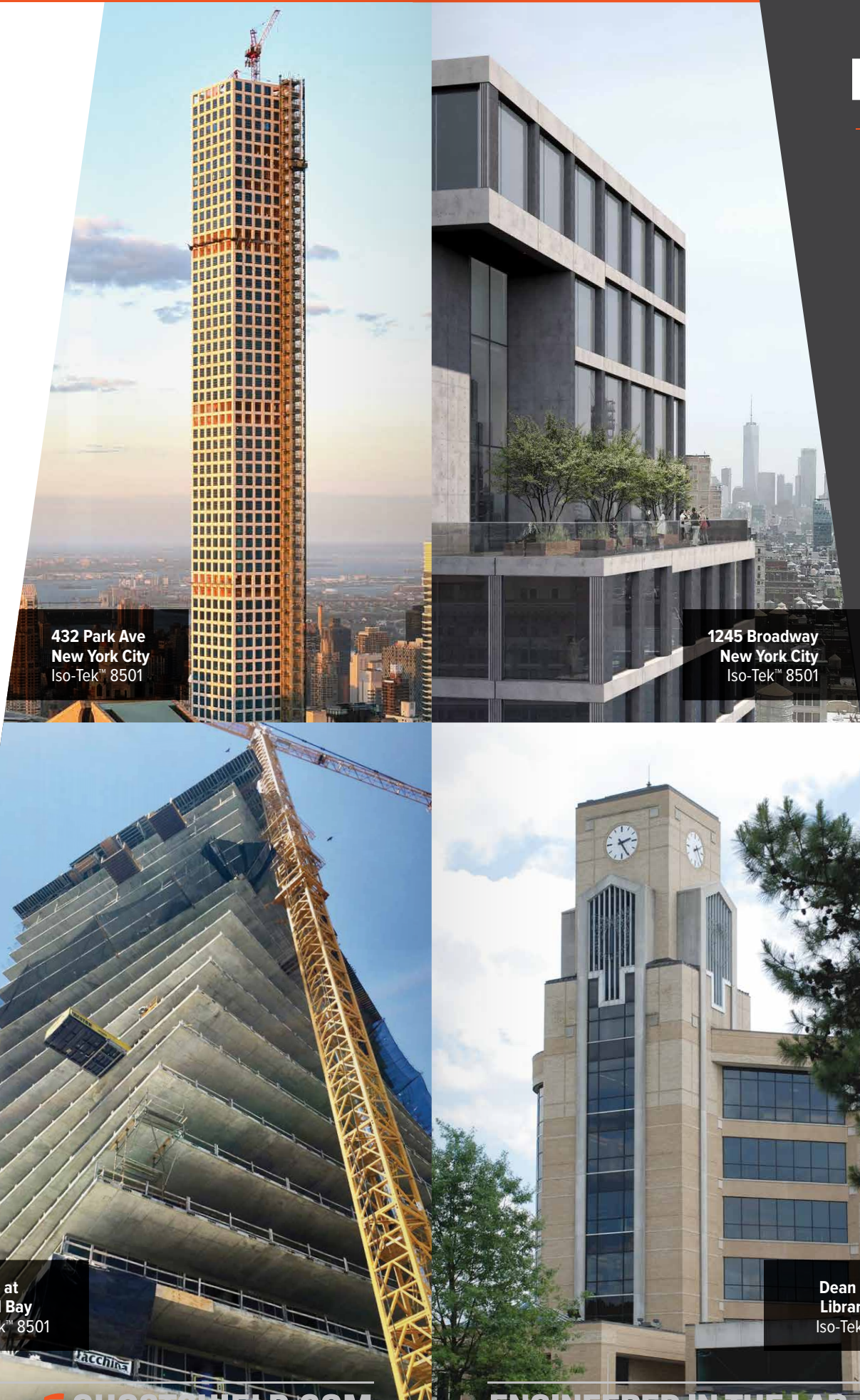
**ENGINEERED IN THE LAB. PROVEN IN THE FIELD.<sup>TM</sup>**



# A NEW GENERATION OF HYDROPHOBIC IMPREGNATION & CHLORIDE PROTECTION



Our Iso-Tek™ products are capable of penetrating high-density, architecturally reinforced concrete of superstructures beyond the norm - deeper than even the most notable competition. With Ghostshield® Iso-Tek™ protecting the concrete, the sky is the limit.



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Iso-Tek™ 8501

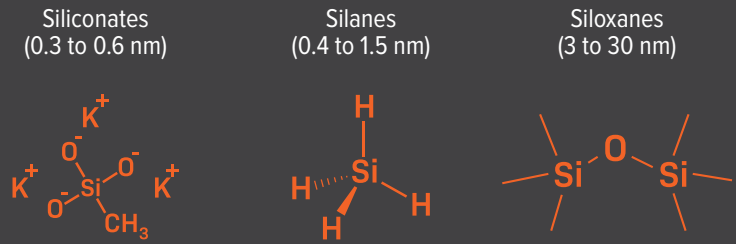
1245 Broadway  
New York City  
Iso-Tek™ 8501

Grove at  
Grand Bay  
Iso-Tek™ 8501

Dean B. Ellis  
Library, ASU  
Iso-Tek™ 8501

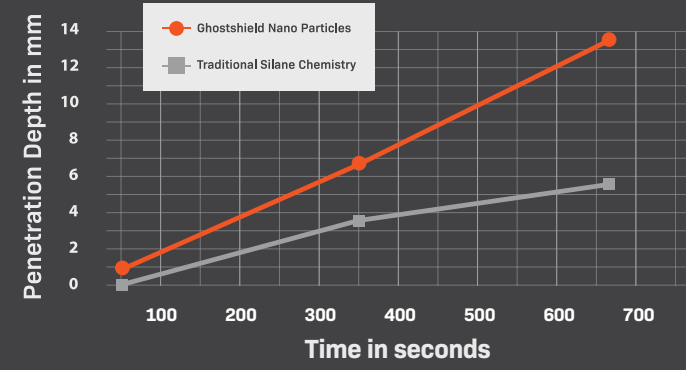
## NANOTECHNOLOGY

Developed over decades by research scientists and chemists, Ghostshield® formulas are the most innovative concrete sealers available on the market. Utilizing molecular nanotechnology, the active ingredients are engineered to have the smallest atomic structures possible. The active particle sizes are 0.3 to 1.5 nanometers in diameter, making them 100x smaller than traditional chemistries. The result is deeper penetration, longer service life and unrivaled performance.



## SMALLER PARTICLES PENETRATE DEEPER

When it comes to penetrating concrete sealers, size matters. Ghostshield® formulas utilize the latest advances in nano-technology and chemistry to penetrate deeper and last longer.







# ISO-TEK™

Stand-out projects require stand-out materials. Iso-Tek™ is an industrial grade line of specialty commercial & industrial sealers engineered for architects & engineers who push the boundaries with demanding projects. Iso-Tek™ rises above the competition by providing innovative concrete solutions catered to projects that rise above the rest.





## ISO-TEK™ 8501

### LONGER CONTACT TIME ACTIVE CLING FOR VERTICAL

#### DESCRIPTION:

The centerpiece of the Iso-Tek™ line is a proven concrete sealer capable of penetrating high-density, architecturally reinforced concrete superstructures up to 1" deeper than most notable competition. Iso-Tek™ 8501 is a revolutionary, solvent-less, gel-based, concrete sealer designed specifically for vertical (and overhead) surfaces without any material loss. The gel-like viscosity defies gravity, increases time of contact, and achieves penetration depths 10x deeper than regular liquid silanes. It dries clear, does not change (or darken) the concrete, and dramatically reduces moisture, chloride-ion ingress, sulfates, acidic gases, salts and water absorption.

#### BENEFITS:

- // Exceptional Penetration on Vertical Surfaces
- // Dramatic Reduction in Water & Chloride-Ion Absorption
- // Protects Against Sulfates, Acidic Gases & Rust
- // Reduces Cracking & Surface Erosion
- // Solvent-less, Aqueous & Easy to Apply

#### SPECIFICATIONS:

- COVERAGE**  
150-200 sq.ft. per gallon
- COATS**  
1
- VOC CONTENT**  
<80 g/L
- FINISH**  
Natural

#### MEETS OR EXCEEDS:

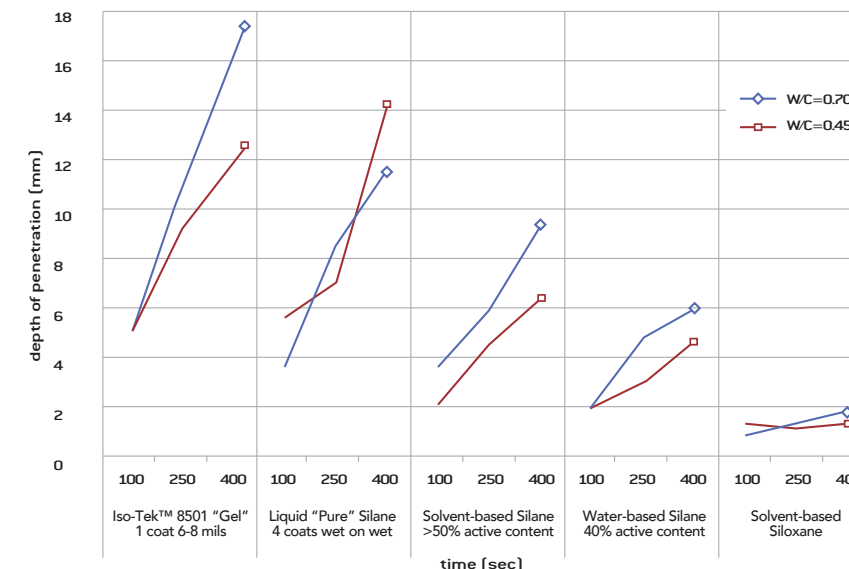
ASTM D-6532 // ASTM D-6490  
ASTM E-514 // ASTM C-672  
NCHRP Series II, Series IV  
Alberta DOT, Type 1b



ClearChem is a trademark of Berkeley Analytical.

### LONGER CONTACT TIME. HIGHER ABSORPTION. DEEPER PENETRATION.

The deeper silanes penetrate, the better protection they provide. The gel consistency of Iso-Tek™ 8501 allowed active silanes to remain on vertical surfaces longer to increase the degree of saturation. The temporary gel coating provides a shield against premature drying or "flash-off", giving the silanes more time to penetrate into the substrate. A single coat of Iso-Tek™ 8501 outperforms 4 coats of pure 100% liquid silane and will provide significantly better depth of penetration on vertical and overhead high density concrete.



High viscosity formula leads to virtually zero material loss upon vertical / overhead application.

### THE NEXT GENERATION OF VERTICAL & OVERHEAD HYDROPHOBIC IMPREGNATION.

Iso-Tek™ 8501 is truly unique because of its gel consistency. As it begins to react with the substrate, it converts into a translucent polymeric resin. This reaction produces alcohol that further enhances absorption and drives material deeper into the substrate. Once dry, Iso-Tek™ 8501 allows concrete to breathe. Like traditional silanes, it will provide concrete protection without changing the look of the original surface.



Iso-Tek™ 8501 Gel applied to a 14,000 PSI vertical wall on 432 Park Ave, NYC.



Traditional silanes on vertical surfaces are prone to excessive run-off. Excessive run-off leads to low penetration, significant material loss and poor performance.





## ISO-TEK™ 8100 PURE PERFORMANCE 100% ACTIVE SILANE





### DESCRIPTION:

100% actives, breathable, deep penetrating, concrete sealer that provides exceptional penetrating power. It protects concrete, stone and masonry surfaces from water-soluble deleterious materials and freeze/thaw cycles. It dramatically reduces chloride ingress and stops the absorption of wind-driven rain. It reduces cracking, pitting, spalling and damage thereby lengthening substrate life expectancy and reducing maintenance costs. Utilizing advancements in nanotechnology, it delivers deeper penetration when compared to traditional silane isomers resulting in longer service life.

### BENEFITS:

- // Pure Silane / 100% Actives
- // Dramatic Reduction in Chloride & Water Absorption
- // Resists Moisture Intrusion & Oxidation
- // Resists Cracking & Surface Erosion
- // 100% Breathable

### SPECIFICATIONS:

- |   |  |
|---|--|
|  <b>COVERAGE</b><br>100-400 sq.ft.<br>per gallon |  <b>COATS</b><br>2        |
|  <b>VOC CONTENT</b><br>350 g/L                   |  <b>FINISH</b><br>Natural |

### MEETS OR EXCEEDS:

AASHTO T-259 // ASTM E-303 // ASTM D-6532  
ASTM C-642 // ASTM D-6490 // ASTM E-514  
ASTM C-672 // NCHRP Series II, Series IV  
Alberta DOT, Type 1c



## ISO-TEK™ 8540 VOC DEEP PENETRATING 55% ACTIVE SILANE





### DESCRIPTION:

55% actives, solvent-based, VOC compliant penetrating water-repellent sealer that provides a long-lasting protective barrier against moisture and water intrusion, freeze-thaw cycles and chloride ingress. It reduces cracking, pitting, spalling and damage caused by wind-driven rain and environmental elements. It chemically reacts within the pores and capillaries of concrete to create a long-lasting hydrophobic surface that sheds water. Iso-Tek™ 8540 VOC can be used to enhance the performance of top coatings. It improves adhesion to inorganic substrates and works by blocking underlying moisture.

### BENEFITS:

- // Deep Penetrating Solvent Formula
- // Exceptional Waterproofing
- // Protects Against Chloride Ion Penetration
- // Resists Cracking & Surface Erosion
- // Improves Adhesions for Paints & Coatings

### SPECIFICATIONS:

- |   |  |
|---|--|
|  <b>COVERAGE</b><br>100-400 sq.ft.<br>per gallon |  <b>COATS</b><br>2        |
|  <b>VOC CONTENT</b><br><250 g/L                  |  <b>FINISH</b><br>Natural |

### MEETS OR EXCEEDS:

AASHTO T-259 // ASTM E-303 // ASTM D-6532  
ASTM C-642 // ASTM D-6490 // ASTM E-514  
ASTM C-672 // NCHRP Series II, Series IV  
Alberta DOT, Type 1b





# ISO-TEK™ 8511 REBAR CORROSION DOESN'T STAND A CHANCE





## DESCRIPTION:

This dual-action, penetrating silane is blended with amino alcohol technology to inhibit the electrochemical corrosion process between the steel (re-bar), chloride ions, oxygen and moisture within concrete. This chemical process dramatically reduces the rate of oxidation in contaminated concrete by forming a protective barrier on the surface of the reinforced steel. It reduces the rate of corrosion, inhibits rust and carbonization, while simultaneously protecting against the absorption of water-soluble deleterious materials.

## BENEFITS:

- // Reduces High & Low Corrosion Rates
- // Reduces Chloride-Ion-Induced Corrosion
- // Forms a Protection Passivating Coating
- // Inhibits the Onset & Rate of Rebar Corrosion
- // Exceptional Waterproofing

## SPECIFICATIONS:

- |   |  |
|---|--|
|  <b>COVERAGE</b><br>100-400 sq.ft.<br>per gallon |  <b>COATS</b><br>2        |
|  <b>VOC CONTENT</b><br><250 g/L                  |  <b>FINISH</b><br>Natural |

## MEETS OR EXCEEDS:

ASTM D-6532 // ASTM D-6490 // ASTM E-514  
ASTM C-672 // NCHRP Series II, Series IV  
Alberta DOT, Type 1b



1011 E. Cumberland Ave  
Tampa, Florida  
Iso-Tek™ 8501





## ISO-TEK™ 8555 CMU WATER & CHLORIDE SHIELD FOR POROUS BLOCK

### DESCRIPTION:

A clear, penetrating, breathable water repellent designed specifically for use on exterior above-grade concrete and masonry units, porous block, cinderblock, split-face block or brick masonry. Provides resistance against water, alkali attack, cracking, staining and damage caused by wind-driven rain and environmental elements. Penetrates into the substrate and chemically bonds to provide permanent protection thereby lengthening life expectancy and reducing maintenance costs.

### BENEFITS:

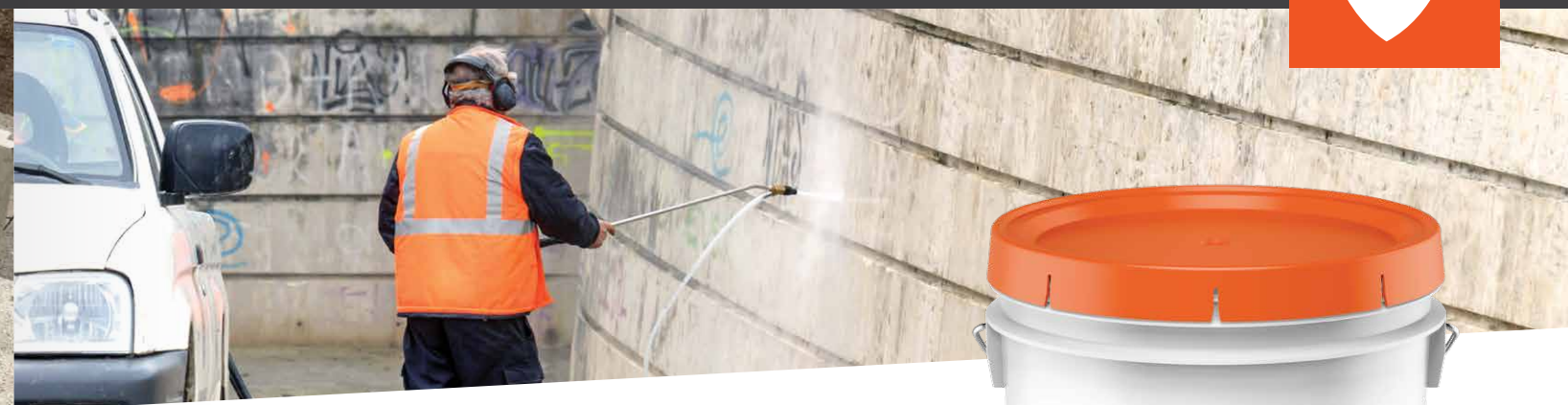
- // Resists Absorption of Wind-Driven Rain
- // Dramatic Reduction in Chloride & Moisture Absorption
- // Reduces the Formation of Efflorescence
- // High Resistance to Alkali Attack
- // Protects Against Cracking & Surface Erosion
- // Resists Mold, Mildew & Efflorescence

### SPECIFICATIONS:

- COVERAGE**  
200-600 sq.ft.  
per gallon
- COATS**  
2
- VOC CONTENT**  
350 g/L
- FINISH**  
Natural

### MEETS OR EXCEEDS:

ASTM C-67 // ASTM C-642 // ASTM 1653  
ASTM 514 // ASTM C-140



## ISO-TEK™ 8515 NON- SACRIFICIAL ANTI-GRAFFITI COATING

### DESCRIPTION:

A clear, breathable topical treatment that provides exceptional protection against a wide variety of graffiti materials. Protects concrete, brick, stone and masonry allowing for easy removal of spray paint, permanent marker, ink, bituminous paints, asphalt sealers and other solvent or waterborne paints. Packed with nanotechnology, it impregnates the surface where it chemically bonds to the substrate, providing non-sacrificial hydrophobic and oleophobic properties.

### BENEFITS:

- // Makes Graffiti Removal Easy
- // Clear, Invisible Finish
- // Chemically Bonds to Substrate
- // Non-Sacrificial Properties
- // 100% Breathable
- // No Blushing, Peeling or Yellowing



### SPECIFICATIONS:

- COVERAGE**  
125-250 sq.ft.  
per gallon
- COATS**  
2-3
- VOC CONTENT**  
<20 g/L
- FINISH**  
Natural

### MEETS OR EXCEEDS:

ASTM 6578 // ASTM G53 // ASTM D-6490  
ASTM C-642 // ASTM D-2047







SILOXA-TEK®  
**8510**  
**OIL & STAIN  
PROTECTION**  
**FLUOROCARBON  
TECHNOLOGY**

**DESCRIPTION:**

100%\* actives silane/siloxane, dual-action, deep penetrating, odorless, concrete sealer with unique oleophobic protection that penetrates deep into concrete, masonry, and natural stone. It chemically reacts and permanently bonds to reduce water, salt, and moisture intrusion and protects against water soluble deleterious materials, and freeze/thaw cycles. A proprietary fluorocarbon additive simultaneously repels oil and grease stains making concrete surfaces easier to clean.

**BENEFITS:**

- // Exceptional Waterproofing
- // Resists Stains from Oil & Grease
- // 100% Breathable
- // Protects Against Chloride-Ion Penetration
- // Resists Moisture Intrusion

**SPECIFICATIONS:**

- |  |   |  |                          |
|--|---|--|--------------------------|
|  | <b>COVERAGE</b><br>100-400 sq.ft.<br>per gallon |  | <b>COATS</b><br>2        |
|  | <b>VOC CONTENT</b><br><100 g/L                  |  | <b>FINISH</b><br>Natural |

**MEETS OR EXCEEDS:**

ASTM E-96 // ASTM E-514 // ASTM C-672  
ASTM E-303 // ASTM C-642 // ASTM D-5590  
ASTM D-6532 // ASTM D-6490 // ASTM G-154  
AASHTO T-259 // NCHRP 244 II/IV // OHD L-34

\*Actives level can vary +/- 5%

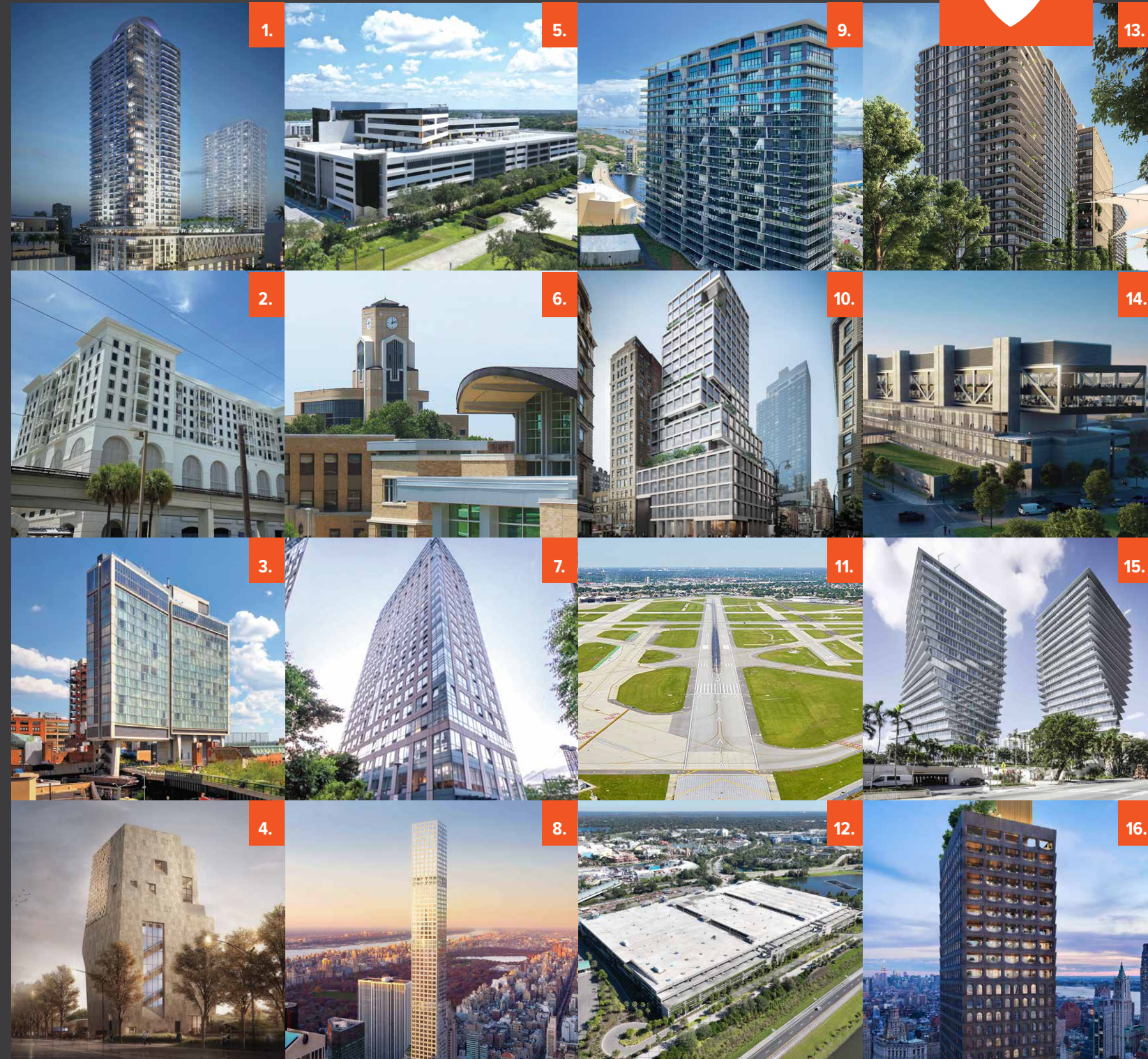




# REPUTATION IS EARNED

Trusted by architects and used on some of the most iconic structures worldwide, Ghostshield® products are designed by chemical engineers to last longer and perform better.

## FEATURED PROJECTS



1. Caobo Miami World Center  
Iso-Tek™ 8540 VOC
2. Gables Station Miami  
Iso-Tek™ 8540 VOC
3. Standard High Line Hotel  
Iso-Tek™ 8501
4. Obama Presidential Center  
Iso-Tek™ 8501

5. Arthrex, Inc. Headquarters  
Siloxa-Tek® 8510
6. Arkansas State University  
Iso-Tek™ 8501
7. Schaefer Landing, NY  
Iso-Tek™ 8540 VOC
8. 432 Park Ave, NY  
Iso-Tek™ 8501

9. 1011 E. Cumberland Ave  
Iso-Tek™ 8501
10. 1245 Broadway, NY  
Iso-Tek™ 8501
11. Midway International Airport  
Iso-Tek™ 8100
12. Universal Studios Orlando  
Iso-Tek™ 8511

13. Water Street - Block C  
Iso-Tek™ 8501
14. Frank J. Guarini Justice Center  
Iso-Tek™ 8501
15. Grove at Grand Bay, FL  
Iso-Tek™ 8501
16. 130 Williams, NY  
Siloxa-Tek® 8510





# PRODUCT COMPARISON



Name	8501	8100	8511	8540 VOC	8510	8555 CMU	8515
Formula / Function	Proprietary Gel	Silane	Silane	Silane	Silane Siloxane/Fluoro	Proprietary	Proprietary
Carrier	Water	N/A	N/A	Solvent	Solvent	Water	Water
Actives	80%	100%	100%	55%	93-98% <sup>‡</sup>	55%	15%
Finish	Natural	Natural	Natural	Natural	Natural	Natural	Natural
Coverage*	100-200ft <sup>2</sup>	200-400ft <sup>2</sup>	150-250ft <sup>2</sup>	200-400ft <sup>2</sup>	200-400ft <sup>2</sup>	200-400ft <sup>2</sup>	125-250ft <sup>2**</sup>
VOC Level	<80g/L	<350g/L	<350g/L	<250g/L	100g/L	<350g/L	<20g/L
Coats	1	2	2	2	2	2	2-3
Testing	ASTM, LEED, NCHRP 244, AASHTO, OHD, ClearChem	ASTM, LEED, NCHRP 244, AASHTO, OHD	ASTM, LEED, NCHRP 244, AASHTO, OHD	ASTM, LEED, NCHRP 244, OHD	ASTM, LEED, NCHRP 244, AASHTO, OHD	ASTM	ASTM
Application	High Density Vertical & Overhead Surfaces	All Concrete Surfaces	Concrete with Steel Reinforcement	Concrete Surfaces in Low VOC States	Concrete Surfaces Exposed to Oil & Grease	Cinder, Splitface CMUs & Textured Porous Block	All Concrete Surfaces

\* Coverage estimates are total sq. ft. for single coat, ready-to-use formulation. Coverage rates can vary based on texture and porosity of substrate.  
\*\* Coverage estimates are total sq. ft. for 3 coats, ready-to-use formulation. Coverage rates can vary based on texture and porosity of substrate.  
<sup>‡</sup> Actual levels can vary +/- 5%



Standard Highline  
New York City  
Iso-Tek™ 8501



**GHOSTSHIELD.COM // 1 (855) 573-8383**

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