



Building with conscience.

# Grand Concourse Academy Charter School

## StoTherm® ci Lotusan® provides color and protection

### Facades



The Grand Concourse Academy Charter School used a StoTherm® ci Lotusan® wall system in order to meet two significant challenges: aesthetics and performance. A textured finish and vibrant color choices make the school stand out in a Bronx neighborhood steeped in red brick. And the high-performing protective system ensures it will withstand whatever Mother Nature, and the students, throws at it.



<b>Sto Products</b>	StoTherm ci Lotusan + Sto Armor Mat Mesh
<b>Applicator</b>	Masucci Construction
<b>Developer</b>	Turner-Agassi Charter School Facilities Fund
<b>General Contractor</b>	McGowan Builders
<b>Building Envelope Consultant</b>	Frank Seta & Associates
<b>Architect</b>	LUBRANO CIAVARRA Architects
<b>Media Contact</b>	Schoeny Jones: sjones@stocorp.com Julie Chalpan: julie@focusunlimitedpr.com

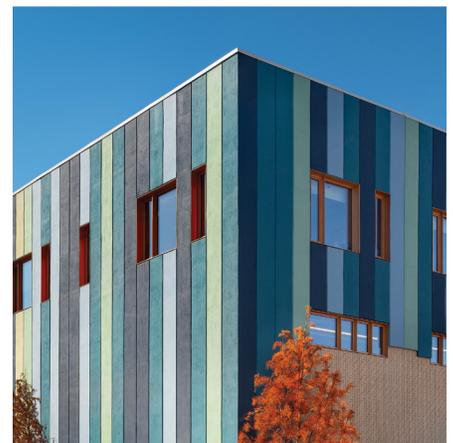


LUBRANO CIAVARRA Architects (LCA) saw two great challenges when they set about designing Grand Concourse Academy Charter School. One, they needed to make the school stand out amidst the sea of red brick that pervades the Bronx neighborhood. And two, they had to design a building that would stand up to the elements – wind, rain, snow and, of course, kids being kids. The solution to both challenges was StoTherm ci Lotusan.

“Color was very important because it was a school,” said Joshua Barkan of LUBRANO CIAVARRA when describing why they chose StoTherm ci Lotusan. “We’ve used Sto before and were very happy with the textures but, for this project, we were more aware of the great color range.” According to Barkan, the design, which incorporated vertical bands of contrasting colors, was inspired by a box of crayons.

To create this signature, multi-hued, multi-panel look, Masucci Construction used a trowel, a roller, the complete StoTherm ci Lotusan system, and a little creativity. As with all Sto continuous insulation wall systems, it started with StoGuard® air & moisture barrier under the cladding. Then continuous foam insulation was adhesively attached with Sto TurboStick™. Next, to create the look of distinct panels, vertical channels were cut in the foam with v-shaped tool at regular intervals. And after a white base coat, Stolit® Lotusan finish was troweled on using the StoSignature™ Stone application technique to create a stone texture, adding, in Barkan’s words, “additional depth and interest to the facade.” Finally, StoColor® Lotusan coating in distinct colors was rolled on each individual “panel” to create the desired “box of crayons” look.

The result is a school children are excited to come to. And excited children bring us to our second great challenge: durability. It being a school, children will be playing. And children playing create havoc. The walls had to be able to withstand wayward basketballs, errant baseballs and other unforeseen student misadventures. So, in areas where heavy wear or potential impacts were expected, Armor Mat Mesh was added between the base coat and the smooth Stolit® Lotusan finish being troweled on. The ultra-high impact, double-strand, interwoven, open-weave glass-fiber fabric is an option within the StoTherm ci system that provides extra impact resistance. It’s a popular option in hurricane and tornado prone areas or in situations that will encounter similar destructive forces, such as kids having fun.



**“Color was very important because it was a school. We’ve used Sto before and were very happy with the textures but, for this project, we were more aware of the great color range.”**

**Joshua Barkan | LUBRANO CIAVARRA**



In addition to ensuring that the walls could withstand their environment, LUBRANO CIAVARRA Architects also wanted to ensure that the signature colors could stand the test of time with minimal maintenance. “The self-cleaning properties will keep the colors vibrant,” said Barkan, citing another reason for choosing StoTherm ci Lotusan.

**“Because they were exclusively using Sto, they were covered by one full warranty on the whole building.”**

**Brian Zuidema | Sto of New Jersey**

Parents, teachers and students all love the design. According to Brian Zuidema of Sto of New Jersey who worked closely with all the contractors on the project, the men and women who built the school loved the design too. “Because LUBRANO CIAVARRA designed in individual panels, the workers could concentrate on one panel at a time,” Zuidema said, “It was really a great design.” Zuidema also pointed out an added benefit earned from the contractors’ choices, “Because they were exclusively using Sto, they were covered by one full warranty on the whole building.”

LUBRANO CIAVARRA Architects is rightfully proud of the finished product. The school is a bright, engaging, inviting place. According to Barkan, the flexibility and creativity that Sto allows was essential to the design’s success. “We spent a lot of time with the color palette, picking vibrant, uplifting colors,” explained Barkan.



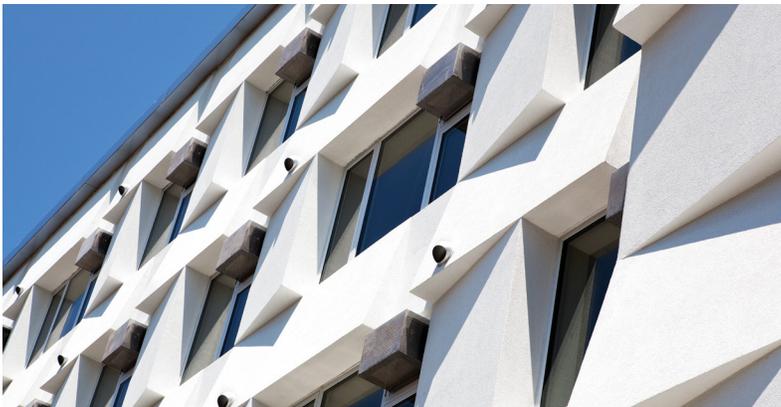


## The only limit is your imagination

Inspiration favors the open mind. With Sto, your creative exploration can take you anywhere. Our proven products give you unmatched freedom and the ability to achieve your vision in any color, any form, any texture, any material.

Combining innovative design and high-level performance, StoTherm ci offers a unique approach to wall system installation. These fully engineered systems provide unmatched versatility with an array of design options that include unique textures, colors, shapes and materials to suit any creative vision. With StoTherm ci, you get innovative products, forward-thinking design, and durable performance that surpasses your expectations. Rest assured, Sto is there wherever your inspiration leads.

Creativity Begins. **Sto Finishes.**®



### Sto Americas

#### Sto Corp.

3800 Camp Creek Pkwy  
Building 1400, Suite 120  
Atlanta, GA 30331  
USA

Phone 1-800-221-2397  
[www.stocorp.com](http://www.stocorp.com)