

PIA'11

PRODUCT INNOVATION
AWARDS 2011

**HONORING PRODUCTS IN
THESE CATEGORIES:**

Concrete & Masonry
Elevators & Conveyance
Furnishings
HVAC & Ventilation
Thermal & Moisture Protection
Restroom Products
Plumbing Equipment
Openings: Doors, Windows
Solar & Solar Control
Site-Generated Energy
Lighting Controls
Interior Lighting
Exterior Lighting
Surfaces: Ceilings
Surfaces: Floors
Surfaces: Walls
Multi-Surface
Metals

AND THE WINNERS ARE...

WHAT'S BEHIND THE CURTAIN? The premier product publication of the North American architectural industry calls your attention to our inaugural "Center Stage" Competition, the Product Innovation Awards, as we reveal the most innovative products in the most frequently specified product categories.

WELCOME



On behalf of Architectural Products, welcome to the inaugural Product Innovation Awards, and congratulations to all the winners. Three components converged to make this competition a success: the pioneering manufacturers who shared their entries with us; our savvy judges; and, of course, you, the readers, the inspiration for the competition. The PIA program has been many years in the making, and it's only fitting that as a leading product publication, *Architectural Products* should champion the recognition of product ingenuity in the built environment. As such, we have set out to identify and share the most innovative products in the major product categories in hopes that specifiers dealing with diverse components of designing a building—such as core and shell, facades, interiors and even the surrounding building site itself, will find the results intriguing. We've also highlighted standout products developed with specific market sectors in mind. Beyond innovation in product development, we've taken the opportunity to recognize industry leadership in categories ranging from education to sustainability. As far as the judging, we operated on a simple 1-10 scale. The winners in each category are laid out at random using lettering only to pair text with images. The finesse of the layout makes this competition appear elementary, but in fact, it reflects a Herculean effort of wading through myriad products to bring *AP* readers the most innovative. Like some of the judges' lively comments, you may react with surprise and delight at unknown innovations that hold in store double, even triple duty design solutions for upcoming project efforts.

Here's to Innovation,

—Megan Mazzocco, associate editor

OUR OUTSTANDING JUDGES:

VILMA BARR, Barr Publications
Veteran lighting writer for *AP* sister lighting publications

RICH BINSACCA, B Creative
Seasoned design writer, regular contributor

ROB BLAKESLEE, Baker Barrios Architects
Studio Director

BOB BORSON, Bernbaum Magadini Architect
Associate Principal and author of lifeofanarchitect.com

RYAN BROCKETT, Ken Linsteadt Architects
Architect and LEED AP

PETER CAREY, Streamline Material Resourcing
President

ALLISON HARLOW CLARK
Interior Designer, currently living in Oslo, Norway

CINDY COGIL, Smith Group
Senior Mechanical Engineer

MICHAEL COHEN, Schuler Shook
Principal, specializes in themed environment

JOANNE DE PALMA, Joanne De Palma Inc.
Eco-minded interiors and furniture designer

KEVIN DOWLING
Former Color Kinetics VP of R&D; now leads MC10

JOHN FOX, Fox + Fox Design
Co-founder of Fox + Fox Design

ELIZABETH FRENCHMAN, Aedas Architects
Resource librarian

JESSICA GARCIA, Clanton Assocs.
Lighting designer

BARBARA HORWITZ-BENNETT
Award-winning journalist and regular contributor

TERRI JOHNSON, Zimmer Gunsul Frasca
Principal

JEFFEREY KNOX, Schuler Shook
Senior lighting designer at the firm's Dallas office

SCOTT KNUDSON, Wienczek + Assocs.
Vice President, Wienczek + Assocs. Architects + Planners, Washington, D.C.

JAMES KRAUS, LEED AP, Skidmore, Owings & Merrill
Associate

KAREN LETTENY, AIA, NCARB, LEED AP, RMW
Director-Interiors

LIRA LUIS, AIA, RIBA, NCARB, UAP, LEED AP
Atelier Lira Luis, Principal Architect

MAUREEN MAHR, Schuler Shook
Senior designer; hospitality and commercial expertise

TOM MARQUARDT, Marquardt+
Principal, founder of Marquardt+

INGRIDA MARTINKUS, LEED AP, tvsdesign
Associate, tvsdesign, Chicago

KAVITHA MARUDADU, ODA Architecture
Partner

J.D. MCGIBBON, AIA AMA, LEED AP, Perkins+Will
Associate Principal, Perkins+Will, Chicago

ROBERT MIKULA, OALA, CSLA
Associate Director—Special Projects, Crystal Fountains

JENNIFER MISIAK, Treetop Studios
Retail specialist, Owner

ARPI NALBANDIAN, Editor at BNP Media/TILE Magazine
Editor and correspondent, Cevisama 2011

STEVE NEIMEISTER, Ewing Cole
Director of Lighting

EILEEN PEDERSEN, AIA, LEED AP, BD+C
Associate, Perkins+Will

GIULIO PEDOTA, IALD, LC, LEED AP, Schuler Shook
Principal, Schuler Shook Lighting Designers

MARIO ROSADO, AIA, Skidmore, Owings & Merrill
Associate, Chicago office

CHUCK ROSS
Veteran architecture and design writer and regular contributor

CONNIE SAMLA, Sacramento Municipal Utility District
Lighting Specialist

DANE SANDERS, Clanton Assocs.
Principal

ALEX STEWART, Tom Elliot Fisch
Associate

SCOTT THAYER, Ankrom Moisan Architects
Principal

BOB VARGA, AIA, LEED AP, SmithGroup
Principal

BRUCE YARNELL, Yarnell Assocs.
Principal, ArchLED veteran

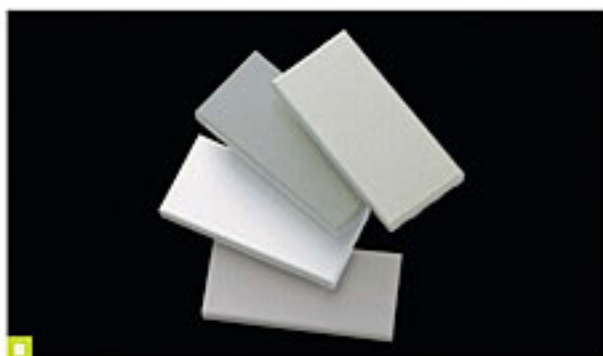
JAMES WILD, AIA, LEED AP, Gridwerk Architecture
Principal at Gridwerk Architecture

MINDI ZISSMAN, Zissman Media
A/E/C industry writer and regular contributor

LIGHTING JUDGES:

We'd like to say a special thanks to all of our lighting judges, many of whom helped with the sister publication, *Architectural Record's* Product Innovation Awards; they're back for the second time this year to help us evaluate the wide range of lighting entries we received.

CATEGORY ▷ CONCRETE & MASONRY


ALTUSGROUP
CarbonCast High Performance Insulated Wall Panels

Category: **Concrete & Masonry**

Structural Strength

Altus' CarbonCast High Performance Insulated Wall Panels provide thermal and moisture protection as load-bearing or non-load-bearing exterior walls. The precast sandwich panels are composed of two concrete sections connected by C-GRID carbon-fiber grid shear trusses and separated by continuous insulation. Aesthetic options include reveals and surface treatments and embedded elements like thin brick and tile.

www.altusprecast.com, Circle 519

TOTO USA

Hydrotect

Category: **Concrete & Masonry**

Thin Film Keeps Surfaces Clean

Toto's Hydrotect thin film technology keeps surfaces clean with water by utilizing photocatalysts with super-hydrophilic and decomposition properties. Clean surfaces result from super-hydrophilic (water-attracting) material substrates that can be created by embedding titanium dioxide, a semi-conducting photocatalyst, into the surface of the product.

www.totousa.com, Circle 518

CALSTAR PRODUCTS
CalStar Holland Pavers

Category: **Concrete & Masonry**

Resource Saver

CalStar Products' Holland Pavers offer the beauty and functionality of traditional masonry units for use as walkways, patios, and other landscaping applications. Holland Pavers are manufactured with a proprietary formula that uses post-industrial recycled material as a binder; they use dramatically less energy and emit significantly less CO₂. CalStar's Holland Pavers still meet or exceed the testing requirements of ASTM C902 and C936, are resistant to freeze/thaw cycles and de-icing salt. "I always like to see products that promote their green qualities listed at Building Green," says a judge who sees it as a trustworthy source. The pavers are slip resistant per ADA recommendations and come in eight colors in smooth and tumbled textures.

www.calstarproducts.com, Circle 517

HONORABLE MENTION:
ELDORADO STONE: LedgeCut 33

Interior and exterior cut stone tiles provide dramatic depth, an authentic stone look. The profile is 3-in. high and comes in three different lengths, creating a random and natural running bond. www.eldoradostone.com

ALTUSGROUP
CarbonCast Double Tees

Category: **Concrete & Masonry**

Precast Surface Solution

CarbonCast by Altus Precast are a structural precast concrete solution for surfaces in parking garages and decking. By using non-corrosive C-GRID carbon fiber grid as a replacement for conventional welded wire mesh rebar in the flange (driving surface), CarbonCast Double Tees can reduce weight and corrosion potential and reduce the structures CO₂ footprint.

www.altusprecast.com, Circle 516

CALSTAR PRODUCTS
CalStar Architectural Facing Bricks

Category: **Concrete & Masonry**

Sustainably Fly Bricks

By reusing fly ash up to 40% content CalStar architectural facing bricks and is able to avoid energy-intensive kiln firing. CalStar bricks deliver the same performance, look and feel as clay brick and meet or exceed testing requirements for ASTM C216-10 Standard Specification for Facing Brick, are freeze-thaw resistant and offer excellent dimensional stability. Eight solid and two range-through-body colors are available.

www.calstarproducts.com, Circle 515