# 2011 Honor Awards





National Terrazzo & Mosaic Association, Inc.

www.ntma.com

info@ntma.com

800.323.9739

# **Table of Contents**

The University of South Carolina School of Business Administration and Economics
Harmonie Park / Paradise Valley4
Phoenix Sky Harbor Airport, Terminal Baggage Claim Remodel5
Citi Field - NY Mets Stadium
Brooks Elementary School
Duluth Entertainment and Convention Center
Miami Airport North Terminal9
KFC YUM! Center10-11
Blue Grass Airport Ticket Lobby & Public Space Renovation
Aetna, Inc
Loder Residence
West Ridge Elementary School
Children's Hospital of Los Angeles
Private Residence
New York Public Library-Battery Park
Mukilteo Sounder Station

## The University of South Carolina School of Business Administration and Economics

### TERRAZZO 2011 HONOR AWARDS

Spartanburg, SC



The University of South Carolina School of Business Administration and Economics is a project that showcases epoxy terrazzo. A four-color design scheme, laid out as a border-and-field pattern reinforces the architecture of each room. The neutral matrix colors allow the hue to be created by the rich colors of the natural stone aggregate. The design was chosen to mimic a traditional sand cushion terrazzo system while drawing on the design flexibility of epoxy. The field was divided into square and diamond shapes, depending on the architectural expression of the room. Borders contain metal stylized currency symbols, meant to reinforce the mission of the building as a business school. Within the terrazzo floor there are hybrid dollars and cents symbols, s which also double as the "SC" abbreviation for South Carolina. Other symbols include the Euro, the Pound, and the Yen/Yaun, with a fourth symbol incorporating all three. Metal currency symbols were brought into the lobby where an elaborate design of divider strips serves to communicate the theme of the building.





Architect: McMillan Smith & Partners Architects, PLLC - Greenville, SC

*Terrazzo Contractor: David Allen Company Raleigh, NC* 

*General Contractor: Linbeck Group, LLC Ft. Worth, TX* 

*Owner: CPF Properties II Spartanburg, SC* 

**Resin Supplier:** Terrazzo & Marble Supply Wheeling, IL

Aggregate Supplier: Terrazzo & Marble Supply Wheeling, IL

*Divider Strip Supplier: National Metal Shapes Delaware, OH* 





Architect: Hamilton Anderson Associates Detroit, MI

**Artist:** Hubert Massy Detroit, MI

**Terrazzo Contractor:** Michielutti Bros., Inc. Eastpointe, MI

*General Contractor:* Jenkins Construction, Inc. Detroit, MI

*Owner: City of Detroit-Downtown Development Authority Detroit, MI* 

Aggregate Supplier: Terrazzo & Marble Supply Wheeling, IL

# Harmonie Park / Paradise Valley

Detroit, MI



Paradise Valley in Detroit, Michigan is a recent public art project. The terrazzo artwork is located in a public park and pays homage to musicians, public figures and community leaders who had an impact on the area. Images of these individuals and places are depicted in rustic terrazzo murals surrounded by granite pavers. The artist chose rustic terrazzo due to its unlimited design and color potential as well as for having great durability in high traffic areas, while being low in maintenance. Since the rustic terrazzo would be subjected to freezing temperatures as well as snow and ice, no divider strips were used in the creation of the murals, which created a challenge in following the artist's renditions of each figure and building. Twelve colors were custom created to allow the artist to skillfully depict the images in terrazzo. Some of the people and places that are depicted in the terrazzo artwork are internationally recognized entertainers who toured Paradise Valley.

# Phoenix Sky Harbor Airport, Terminal 3 Baggage Claim Remodel

### TERRAZZO 2011 HONOR AWARDS

Phoenix, AZ



The design for the baggage claim area at Phoenix Sky Harbor Airport was inspired by a hike to the bottom of the Grand Canyon at Havasupai. The artist primarily used blue and green to accent the pools of water against the dry desert landscape. The two blue colors have mirror and glass that sparkle and shine. Small desert insects, seeds and thorns cut from aluminum, are scattered throughout the baggage carousel areas to add interest to the floor. The floor contrasts beautifully against the concrete architecture of the walls and pillars and creates a calming and relaxing environment for travelers waiting for their luggage. Due to the heavy pedestrian traffic, the carpet was being replaced every two to three years. Because the location is visited by thousands of people each day, the airport needed something that would brighten the space, add interest and have the durability to handle the foot traffic. Terrazzo was a perfect solution.





Architect: D.W.L. Architects + Planners, Inc. Phoenix, AZ

**Designer/Artist:** Teresa Villegas Phoenix, AZ

**Terrazzo Contractor:** Advance Terrazzo Company Phoenix, AZ

*General Contractor: Sun Eagle Corporation Chandler, AZ* 

#### **Owners:**

City of Phoenix Office of Arts and Culture Public Art Program Phoenix, AZ City of Phoenix Aviation Department Phoenix, AZ

**Resin:** Key Resin West Phoenix, AZ

Aggregate Suppliers: Heritage Glass Smithfield, UT Cactus Canyon Quarries Marble Falls, TX Bilbrough Marble Division Burnet, TX





Architect: HOK Sports Facilities Architects, PC Populous Kansas City, MO

**Terrazzo Contractor:** D. Magnan & Co., Inc. Mount Vernon, NY

General Contractor: Bovis Lend Lease New York, NY

*Owner:* New York Mets Flushing, NY

**Resin Supplier:** Terrazzo & Marble Supply Wheeling, IL

Aggregate Suppliers: Terrazzo & Marble Supply Wheeling, IL ARIM, Inc. Teaneck, NJ Continental Terrazzo Supply Houston, TX

#### **Divider Strip Suppliers:**

National Metal Shapes Delaware, OH Manhattan American Terrazzo Strip Co. Staley, NC

### Citi Field - NY Mets Stadium





Citi Field is home to the New York Mets. Epoxy terrazzo was chosen for the main corridors of the Empire Suites Club levels as well as the suite interiors and lounge areas. Four different colors combined with zinc divider strips were used to create the many random geometric patterns designed by the architect. Poured-inplace stairs and handicap ramps of terrazzo help move the fans between levels.

Sand Cushion terrazzo was installed in the grand entranceway to Citi Field. It was inspired by the classic design of Ebbets field and is a 4" thick, three-color, cement terrazzo floor. The entry rotunda was named in honor of Jackie Robinson, the legendary pioneer and great American who broke baseball's color barrier with the Brooklyn Dodgers in 1947. Set in the floor are the "Nine Values" that Jackie Robinson embodied. One-eighth inch heavy top zinc divider strips were used to form the letters illustrating the paragraphs. The Jackie Robinson Rotunda has been called exquisite and the terrazzo adds an element of elegance to this New York City ballpark.

## **Brooks Elementary School**

Brooks, KY



The terrazzo hallway at this new elementary school has an intricate inset border and field diamond pattern with accent squares at intersecting points. The creamy white terrazzo used throughout is the perfect shade to harmonize all the other colors used into an aesthetically pleasing pallet. There are alternating small, medium and large squares in combinations of bold colors of blue, red, green and purple. The intricate strip pattern, using 1/8" heavy-top zinc, required precise installation. One-thousand, sixhundred and eighty-eight lineal feet of 5 1/2" precast terrazzo base was installed. In the middle of the school, the corridors unite and open up into a rotunda with a compass in the terrazzo floor that serves as the focal point for this area. The letters for each cardinal direction are 17" tall, made of solid zinc, and add a nice finish to the completed compass. The floor brings such a bright atmosphere and creative spirit to the school that it is felt throughout the building.





Architect: Sherman Carter Barnhart Louisville, KY

*Terrazzo Contractor: Rosa Mosaic & Tile Company Louisville, KY* 

General Contractor: Derek Engineering, Inc. Louisville, KY

*Owner:* Bullitt County Public Schools Shepherdsville, KY

**Resin Supplier:** Terrazzo & Marble Supply Wheeling, IL

Aggregate Supplier: Southern Aggregates Staley, NC

Divider Strip Supplier: Manhattan American Terrazzo Strip Company Staley, NC





**Architect:** Stanius Johnson/Populous - Duluth, MN

Artist: Joan Henrik - Duluth, MN

Terrazzo Contractor: Grazzini Brothers and Company - St. Paul, MN

General Contractor: M.A. Mortenson Company - Minneapolis, MN

*Owner: Duluth Entertainment and Convention Center - Duluth, MN* 

**Resin Supplier:** Terrazzo & Marble Supply - Wheeling, IL

**Aggregate Supplier:** Terrazzo & Marble Supply - Wheeling, IL

*Divider Strip Supplier: Terrazzo & Marble Supply - Wheeling, IL* 

Special Recognition: Duluth Public Arts Commission - Duluth, MN Kaspari Design Services - Minneapolis, MN

# Duluth Entertainment and Convention Center

Duluth, MN



The Duluth Entertainment and Convention Center was committed to having terrazzo floors in their new state-of-the-art NHL sized Ice Arena. This unique design, "Winds and Currents", connects the arena to the existing auditorium. A commissioned public art project, the work transformed a simple traffic area into a common use space. The artwork reflects forces that shape our earth and lives. There are eleven vibrant colors in the epoxy terrazzo floor. The floor is predominantly domestic marble aggregate; mother of pearl and recycled glass were added to highlight special areas like the flowing river. The artist designed 14 animal icons, which are set in the floor and filled with various terrazzo colors. Four stones of indigenous mineral samples were installed to top off the floor as an organic sculpture. The stairs are poured in place terrazzo. The installation handwork paid special attention to create the impression of water cascading down the stairs, maintaining the energy and movement of the design.

## **Miami Airport North Terminal**

Miami, FL



Over the last several years the Miami International Airport has had nearly one million square feet of epoxy terrazzo installed. The expansive concourse areas are decorated with over five thousand cast bronze elements. The artist's desire to create a "journey within the journey" is well communicated in the rendering of a "vortex in space" where multi-color epoxy terrazzo is used to bring the galaxies into a perspective that can be viewed by pedestrians. The black and white epoxy color mixes were poured together simultaneously and a variety of seven different seashells were placed by hand in certain areas. Where the two colors converge, a special technique was implemented in order to create the visual effect of the colors meeting naturally. There are few projects that showcase terrazzo's far-reaching potential quite like the North Terminal at Miami International Airport and when viewed in light of it artistic value, it is one of the nation's most impressive public art installations.





**Project 747B** Architect: Leo A. Daly - Miami, FL

**Project 739A and T39C** Architect: Wolfberg, Alvarez & Partners Coral Gables, FL

**Project 740A** Architect: McHarry Associates - Miami, FL

**Project 756E** Rodriguez and Quiroga Architects Chartered Coral Gables, FL

**Project 746A** Architect: Bermello Ajamil & Partners, Inc. Ft. Lauderdale, FL

*Terrazzo Contractor:* David Allen Company - Raleigh, NC

**Designer/Copyright Artist:** Michele Oka Doner - New York, NY

*General Contractor: Parson Odebrech Joint Venture - Miami, FL* 

**Resin Supplier:** Terrazzo & Marble Supply - Wheeling, IL

Aggregate Supplier: Southern Aggregates - Staley, NC

Divider Strip Supplier: Manhattan American Terrazzo Strip Company - Staley, NC



The KFC YUM! Center is located in downtown Louisville, Kentucky and spans one city block. The city expected a world-class arena and to achieve this goal, the finest finishes were specified. One of these finishes included terrazzo floors. Over 19,000 square feet of terrazzo was installed in the main entrance and VIP lobby. It includes four colors: red, white, black and yellow.

The terrazzo floor is a multi-faceted geometric pattern with large radial bands flowing from one end of the main lobby to the other. An outstanding feature in the main lobby is the grand staircase. Two staircases, each fifteen feet wide with twenty-six steps, approach each other from different directions and meet at a common mezzanine. The stairs were poured-in-place mirroring colors and patterns of the lobby floor. The colors change in a different place on each step, both vertically and horizontally. When viewed from the upper concourses, the uninterrupted flow of pattern extending from floor through stairs creates an illusion of the staircases disappearing. In addition to the poured-in-place staircases, over 700 lineal feet of 6" terrazzo base was installed. This arena is the place to be in Louisville, serving as a catalyst for a new network of downtown entertainment, restaurants and nightlife venues.



# TERRAZZO 201

THE NATIONAL TERRAZZO & Job of KFC Yum! Cente





# **1 HONOR AWARDS**

the Year the Vear the Louisville, KY





Architect: Populous - Kansas City, MO

*Terrazzo Contractor: Rosa Mosaic & Tile Company - Louisville, KY* 

*General Contractor: Mortenson Construction - Minneapolis, MN* 

*Owner:* Louisville Arena Authority - Louisville, KY

**Resin Supplier:** Terrazzo & Marble Supply Company Wheeling, IL

Aggregate Supplier: Southern Aggregates - Staley, NC

*Divider Strip Supplier: Manhattan American Terrazzo Strip Company Staley, NC* 









Architect: Gresham Smith & Partners Dallas, TX

*Terrazzo Contractor:* Martina Bros. Co., Inc. Lexington, KY

*General Contractor:* Messer Construction Co. Lexington, KY

*Owner:* Lexington Fayette Urban County Government Airport Board Lexington, KY

*Resin Supplier:* Terrazzo & Marble Supply Wheeling, IL

Aggregate Supplier: Terrazzo & Marble Supply Wheeling, IL

*Divider Strip Supplier:* National Metal Shapes Delaware, OH

# Blue Grass Airport Ticket Lobby & Public Space Renovation

Lexington KY



Lexington, Kentucky "Horse Capital of the World" was preparing for the 2010 World Equestrian Games and plans included a renovation of the existing airport. Airport officials wanted a way to incorporate more art into the airport and decided to use the Sire Lineage image. They liked how it is reflective of the region and gives passengers a little more of the local history. The design team chose epoxy terrazzo for its durability as well as for its ability to create the custom and complex design. This design consisted of 13,217 letters making up 980 horses names and demanded patience and precise attention to detail. Five complimentary colors in a neutral palette create a relaxed environment for travelers. Accents of mother of pearl and glass were added to the marble aggregate to produce a shimmer effect. The Blue Grass airport makes a statement to visitors that will create a lasting impression of Lexington.

### Aetna, Inc. Corporate Cafeteria

#### TERRAZZO 2011 HONOR AWARDS

Hartford CT



This corporate headquarter cafeteria is titled, "A Dining Cornucopia". The recently renovated cafeteria reflects a different color and theme at each food station. Terrazzo flooring was chosen to replace the worn and outdated brownish quarry tile that had been in place in the existing dining room. The terrazzo flooring is comprised of nine separate resin colors, and multiple aggregate patterns. Some of the smaller accent panels are 100% clear glass, while other panels have both clear and colored glass and conventional marble aggregates. Another noteworthy item is the use of terrazzo ovals and circular patterns within the floor. The architect wanted the terrazzo floor to flow within the space, and not have a the square and boxy look often found in food serving areas. Terrazzo with its unlimited color and pattern range makes this area a pleasant dining environment for employees. Low-cost maintenance and a long lifecycle made terrazzo flooring the obvious choice for this corporate cafeteria.





Architect: CHK-Clohessy-Harris & Kaiser Simsbury, CT

Terrazzo Contractor: Specialty Flooring Systems Walpole, MA

General Contractor: BBE, Inc. Bloomfield, CT

*Owner: Aetna, Inc. Hartford, CT* 

**Resin:** Terrazzo & Marble Supply Wheeling, IL

Aggregate Supplier: Arim, Inc. North Bergen, NJ

Divider Strip Supplier: Manhattan American Terrazzo Strip Staley, NC





Architect: The Warner Group Architects, Inc. Santa Barbara, CA

Terrazzo Contractor: CORRADINI Corp. Fountain Valley, CA

General Contractor: Mark Falcone General Building Contractor Laguna Beach, CA

*Owner: The Loder Family Laguna Beach, CA* 

**Resin Supplier:** General Polymers Paramount, CA

Aggregate Suppliers: Terrazzo & Marble Supply Garden Grove, CA Continental Terrazzo Supply Houston, TX

**Precast Product Supplier:** CORRADINI Corp. Fountain Valley, CA

*Divider Strip Supplier: National Metal Shapes Delaware, OH* 

### **Loder Residence**





The Mediterranean Villa architecture of this 14,000 square-foot luxury residence overlooking the Pacific Ocean called for the use of terrazzo with an old world design. The foyer uses black terrazzo with mother of pearl with a curving pattern of tumbled statuary white, hand-set, marble mosaics. Cast-in-place stairs lead to the main gallery, and into the ocean gallery where mosaics are used in a pulley system that wrap around water jet cut circles of statuary white marble with a 3/4" thickness that was ground down in place to the elevation of the adjacent terrazzo. The mosaic pulleys cross over each other, demanding very precise cuts. The dining and living rooms have a black terrazzo border that includes lines of marble mosaics with an additional border of white marble. The bedroom hall is a terra cotta color terrazzo, with a mosaic pattern of rectangles and squares. The pattern is broken by a white marble border, which ties into the borders in the adjacent stone patio. Both the architect and owners are thrilled with the perfection of the terrazzo.

## West Ridge Elementary School



Designed to achieve USGBC's LEED for Schools Silver rating, this three-story building maximizes student, staff, and community exposure to day-lighting and good air quality while achieving optimal acoustics for an ideal learning and working environment. Terrazzo was a natural choice for high traffic floor areas including the building lobby, stairwells and corridors to achieve the maximum durability and life span of 100+ years. To enhance the personality of the school and provide educational elements, the lengthy corridors were fit with artistic custom design terrazzo floor patterns, which captivate the minds of students and teachers alike. The three P's theme include: Planets, Presidents, and Pi. A palette of fourteen unique colors were developed and repeated throughout the varying patterns. Recycled glass was used in the majority of the mixes to enhance the beauty and depth of the color and add to the sustainability of the design. The unique terrazzo system on each floor required both traditional and new installation methods. The terrazzo floor enhances the learning environment for students.





Architect: Muller & Muller, Ltd. Chicago, IL

**Terrazzo Contractor:** John Caretti & Co. Bensenville, IL

General Contractor: George Sollitt Construction Wood Dale, IL

#### **Owner:**

Public Building Commission of Chicago Chicago, IL

**Resin Supplier:** Terrazzo & Marble Supply Wheeling, IL

Aggregate Supplier: Terrazzo & Marble Supply Wheeling, IL

**Precast Product Supplier:** Wausau Tile Wausau, WI

Divider Strip Supplier: National Metal Shapes Delaware, OH





Architect: Zimmer Gunsul Frasca Partnership Los Angeles, CA

Terrazzo Contractor: CORRADINI Corp. Fountain Valley, CA

General Contractor: Rudolph and Sletten Los Angeles, CA

*Owner: Children's Hospital Los Angeles Los Angeles, CA* 

**Resin Supplier:** General Polymers Paramount, CA

Aggregate Suppliers: Terrazzo & Marble Supply Garden Grove, CA United Terrazzo Supply Co., Inc. Ontario, CA Continental Terrazzo Supply Houston, TX

*Divider Strip Supplier: National Metal Shapes Delaware, OH* 

# **Children's Hospital of Los Angeles**



From the moment one steps foot on the property, sand cushion terrazzo guides you from the outside, through the lobby doors, and into a very glitzy design of the Children's Hospital of Los Angeles. The epoxy terrazzo in the interior has a warm and fun feel, which the architect achieved by using 8 different colors consisting of crushed mirror, colored glass and mother of pearl aggregates. The Cafe includes a checkered pattern in the floor that pulls you into the serving area. Cast-in-place cove base, installed on a radius, was used in the Cafe for easy clean up. In addition to the thousands of feet of terrazzo on the first level, six levels of elevator lobbies include terrazzo with red circles and black accent bands. The architect did not miss a beat when designing this state of the art hospital, as all finishes tie into one another encouraging patients and visitors to follow the sparkle of the mirror throughout this beautiful project.

## **Private Residence**

### Southern Utah



The complexity of this terrazzo project is quite evident in the design. Set in the entryway of a private residence in the southwest, the 160 square foot epoxy terrazzo rug adds a dramatic accent to the surrounding floor. The design was driven by the client's request for a textile block house in the early twentieth century style of Frank Lloyd Wright. The architect created a custom cast stone block design with a stylized geometric pattern inspired by the surrounding landscape. The terrazzo rug utilized 1//8th inch zinc strips as the border and 1/16th inch strips to make up the pattern and color transitions. The intricacy of placing six colors in the rug began with the small <sup>3</sup>/<sub>4</sub>" red squares in the pattern which included crimson red glass and mother of pearl aggregates. Black stallion, Georgia white, blue grey, new royal green, and verdi alpi aggregate #1 and #2 completed the mixes of the color palette. This beautiful installation clearly exemplifies the unlimited potential of terrazzo.





Architect: David M. Schwarz Architects Inc. Washington, D.C.

**Terrazzo Contractor:** Finn-Wall Specialties Midvale, Utah

General Contractor: Tom Rees Contracting, LLC Utah

**Resin Supplier:** Terrazzo & Marble Supply Wheeling, IL

Aggregate Supplier: Terrazzo & Marble Supply Wheeling, IL

*Divider Strip Supplier:* Manhattan American Terrazzo Strip Staley, NC





Architect: 1100 Architect New York, NY

*Terrazzo Contractor: Port Morris Tile & Marble Corp. Bronx, NY* 

*General Contractor: Cauldwell Wingate Company, LLC New York, NY* 

Owners: New York Public Library

City of New York Astor, Lenox & Tilden Foundation New York, NY

**Resin Supplier:** Terrazzo & Marble Supply Company Wheeling, IL

Aggregate Suppliers: Terrazzo and Marble Supply Company Wheeling, IL ARIM Stone, Inc. Teaneck, NJ

*Divider Strip Supplier: National Metal Shapes, Inc. Delaware, OH* 

# Craftmanship Award New York Public Library-Battery Park

New York, NY



The Battery Park City Branch is New York Public Library's first green LEED certified branch in Manhattan. The main focal point as you enter from the street is the terrazzo entry. The seamless cast-in-place terrazzo staircase and seating area are one hundred percent covered in epoxy terrazzo using marble and glass aggregate. The seating area, walls, tread-risers and back wall and ceiling were all hand poured and ground as one monolithic piece. Hand casted and blocked channels for the railing and glass wall added complexity to this installation. In addition, the back wall seating area continues up and underneath on a spiral radius from seat to ceiling. The best feature may be the hand formed and tooled terrazzo "bowl" recessed for the LCD information center. In order to mimic the look of one big block of terrazzo, the staircase is entirely completed without the use of divider strips. The terrazzo floor in the lobby is turned up to form run up curbs at the reception desks. The terrazzo staircase is both a stunning and functional element in the library.

# Art Special Award Mukilteo Sounder Station

### TERRAZZO 2011 HONOR AWARDS

### Mukilteo, WA



The two earth canoes are beached at train tracks near the sea at Mukilteo. Countless hours of thought and planning were required to first form and then pour the solid cores of concrete that created the 27' long sculptures that replicated the proportions of the original Salish canoe. The concrete was then thoroughly prepared to assure proper adhesion of the monolithic terrazzo. The challenge was to make the multiple small pours appear as a seamless solid block of terrazzo. The base mix included natural aggregates, clear glass and mother of pearl. As the terrazzo was carefully placed on the surfaces, the artist gently pressed seashells, colored glass, and semi precious stones into the mortar. Painstaking hours of grinding were required to carve the detail and sleek lines of the craft. After meticulous grouting to hide the pour seams and minor blemishes, the polish revealed the fabulous boats. The sculptures serve as solemn reminders of a time when so much activity was on the sea.





**Terrazzo Contractor:** General Terrazzo & Tile Co. Renton, WA

Artist: Linda Beaumont Langley, WA

*Owner: Sound Transit Seattle, WA* 

Aggregate Supplier: TriVitro Corporation Kent, WA



www.ntma.com info@ntma.com

800.323.9739