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# International Project Solutions

## Grace for Arts and Education



Oscar Niemeyer Museum | Curitiba, Brazil

GRACE

# Grace for Arts and Education

Grace products have been used on arts and educational structures around the world for almost half a century

## EMEA

Aberdeen University Library Aberdeen, UK  
American University of Beirut Beirut, Lebanon  
Bahrain National Theatre Bahrain  
Bridge Arts & Science College Doha, Qatar  
Calcestruzzi Spa: New Art Museum Rome, Italy  
Cambridge University Library Cambrdige, UK  
Cardiff Castle Cardiff, UK  
Chopin Centre Warsaw, Poland  
Ecole nationale d'administration (ENA) Strasbourg, France  
Education City Doha, Qatar  
ENSIACET Toulouse, France  
Estonia Art Museum Tallinn, Estonia  
Galleria degli Uffizi Firenze, Italia  
Grand Mosque Abu Dhabi, UAE  
Guggenheim Museum Bilbao, Spain  
House of Musical Arts Muscat, Oman  
Khalsa Heritage Complex Punjab, India  
Marine Services Centre Fintas, Kuwait  
Masdar Institute of Science & Technology Abu Dhabi, UAE  
MAXXI Roma, Italia  
MUCEM Marseille, France  
Museum of Islamic Art Doha, Qatar  
Newcastle Library Newcastle, UK  
Oxford Castle Heritage Project Oxford, UK  
Qasr al Muwajji Al Ain, UAE  
Scientific Centre, Aquarium Kuwait City, Kuwait  
The Mercedes Benz Museum Stuttgart, Germany  
Theatre for the Performing Arts Oman  
Theatre Liberté Toulon, France  
University of Warwick Coventry, UK  
University Politecnico di Torino Torino, Italia  
Weill Cornell College Doha, Qatar  
Wexford Library Wexford, Ireland  
Wild Wadi Aquapark, Jumeirah Beach Hotel Dubai, UAE  
Zabeel Park Dubai, UAE  
Zayed University at Al Ruwayyah Dubai, UAE

## AMERICAS

African American Cultural Center Fort Lauderdale, FL  
Air Force One Building – Ronald Reagan Presidential Library Simi Valley, CA  
American Indian Cultural Center and Museum Edmond, OK  
Arsht Center of Performing Arts Miami, FL  
Boston Childrens Museum Boston, MA  
Brooklyn Center for the Performing Arts (Whitman & Gershwin Theatres) Brooklyn, NY  
Brooklyn Children's Museum Brooklyn, NY  
California Institute of Technology Pasadena, CA  
California State Polytechnic University Pomona, CA  
California State University Long Beach, CA  
Cleveland Museum of Art Fullerton, CA  
De Young Museum San Luis Obispo, CA  
Denver Art Museum Cleveland, OH  
San Francisco, CA  
Denver, CO

## ASIA PACIFIC

Disneyland Theme Parks Anaheim, CA  
EPCOT Theme Park Orlando, FL  
Experience Music Proejct Seattle, WA  
Grand Rapids Art Museum Grand Rapids, MI  
Ibere Camargo Museum Porto Alegre, Brazil  
Isabella Steward Gardner Museum Boston, MA  
John Molson Business School Montreal, Canada  
Lowes Cineplex Lynwood, WA  
Museo Soumaya Mexico City, Mexico  
Museum of Fine Arts Boston, MA  
Musical Instrument Museum Phoenix, AZ  
National Museum Brasilia, Brazil  
National Museum of the Marine Corps Quantico, VA  
Nokia Theatre L.A. Live Los Angeles, CA  
Oregon State University Corvallis, OR  
Oscar Niermeyer Museum Curitiba, Brazil  
Portland State University Portland, OR  
Science Center of Iowa Des Moines, IA  
Seattle Art Museum Seattle, WA  
September 11 Memorial & Museum New York, NY  
St Louis Art Museum St Louis, MO  
Stanford Univeristy Palo Alto, CA  
Taubman Museum of Art Roanoke, VA  
Tommie Otake Institute São Paulo, Brazil  
University of California Santa Cruz, CA  
University of California Westwood, CA  
University of California Berkeley, CA  
University of California Irvine, CA  
University of Massachusetts Amherst, MA  
University of Memphis Memphis, TN  
University of Miami Miami, FL  
University of Michigan Ann Arbor, MI  
University of Pennsylvania Philadelphia, PA  
University of Quebec Montreal, Canada  
University of Southern California Los Angeles, CA  
University of Wisconsin Madison, WI  
Walt Disney Concert Hall Los Angeles, CA  
Winspear Opera House Dallas, TX  
Singapore  
Perth, Australia  
Gapyeong-gun, S. Korea  
Singapore  
Singapore  
Singapore  
Wuhan, China  
Singapore  
Tainan city, Taiwan  
Sydney, Australia  
Singapore  
Brisbane, Australia  
Hong Kong, China  
Hong Kong, China  
Wuxi, China

# Grace for Arts and Education

“ *What sculpture is to a block of marble, education is to the soul.* ”

– Joseph Addison

## Grace Capabilities

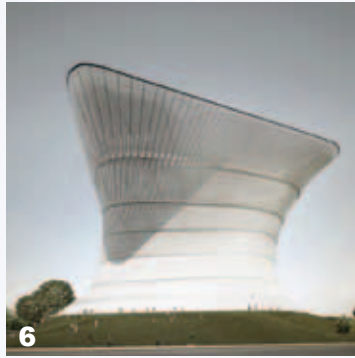
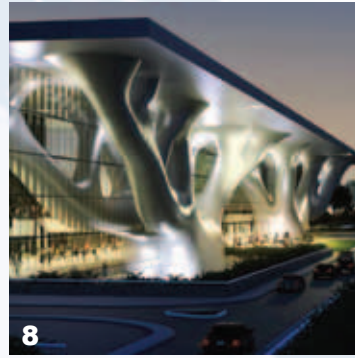
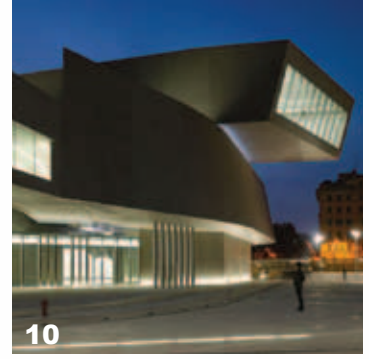
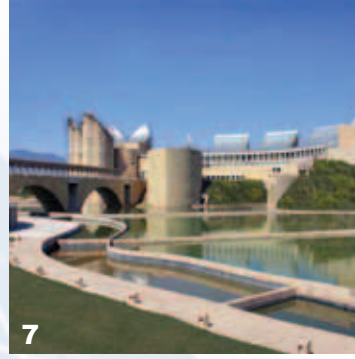
Preserving and protecting cultural buildings, such as national museums, galleries, libraries, universities, theaters, etc. is critical. Not only are these buildings often pieces of artwork in their own right, but they also host the world's irreplaceable treasures and nations' heritage. These structures represent and carry the spirit of ancient as well as modern cultures and minds; they are also the symbols that many future generations would come to enjoy and appreciate.

To secure the integrity of these structures and conserve the important treasures inside, design professionals around the world have relied on Grace's expertise and the exemplary performance of our products for almost 50 years. From waterproofing the building's substructure, walls and roof components, to safeguarding the framework in the event of fire, to enhancing the performance and aesthetic appeal of the concrete surfaces – Grace is your advanced solutions provider.

Working on projects across borders and continents has become a common and necessary practice in today's environment. Grace has a global team committed to ensure your projects run efficiently and receive complete support from concept design through construction and completion. Our broad technology portfolio and the expertise help to bridge differences in construction practices, regulatory requirements, and cultures and enhance the durability and longevity of your designs.

## Grace Brands are Globally Recognized





**1** Masdar Institute of Science & Technology | Abu Dhabi, UAE

**2** EPCOT Theme Park | Orlando, FL

**3** Wuxi Museum | Wuxi, China

**4** Experience Music Project | Seattle, WA

**5** Iberé Camargo Museum | Porto Alegre, Brazil

**6** Museo Soumaya | Mexico City, Mexico

**7** Khalsa Heritage Complex | Punjab, India

**8** Qatar National Convention Centre | Doha, Qatar

**9** Guggenheim Museum | Bilbao, Spain

**10** MAXXI | Roma, Italia

**11** ArtScience Museum, Marina Bay Sands | Singapore

**12** Sydney Opera House | Sydney, Australia



# Grace for Arts and Education

## Application Areas

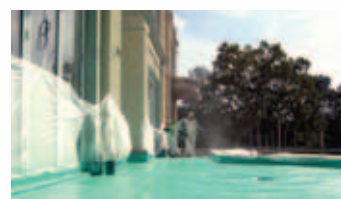
### Substructure:

Below grade areas in specialty venues serve a myriad of roles – from general access, to space for special events, to high valued applications, such as storage space for irreplaceable works of art, literature, archives and housing of intricate mechanical systems. Without a proper and effective system to manage air, vapor, and water both the structure and the contents can be subject to damage and loss of use. This in turn, can lead to not only to substantial remediation expense, but also result in the loss of irreplaceable contents. High performance bonded systems from Grace are proven to furnish the highest level of protection in even the most demanding conditions.



### Elevated Deck / Green Roof:

Elevated areas including plazas, walkways and balconies – whether finished with concrete, pavers or green roof systems – require a significant level of protection as they need to cope with flexural movement, irrigation and percolated rain water, which may be sustained over long periods. Grace's sheet, liquid and hybrid (combination of sheet and liquid) systems have been employed to provide the highest level of protection for both simple and complex designs throughout the world over the years.



### Engineered Façade:

Energy and moisture management for cultural buildings is extremely critical. If improperly addressed, the fluctuating temperature, humidity, and moisture levels can have a substantial negative impact on the structure itself, as well as jeopardize the integrity of its priceless contents. Repairing wall assemblies from moisture damage often proves to be extremely difficult after the fact. Regardless of the wall design or geographic location of the project, Grace offers a complete line of permeable and impermeable solutions to ensure proper wall performance and integrate with other portions of the building envelope.



### Architectural Roof:

The roof – more than any other part of the structure – must bear the brunt of nature's fury and still perform. For over 30 years, from rubberized asphalt membranes to advanced butyl-based underlayments, Grace has set the standard for protection globally on some of the most intricate roof designs and demanding climatic conditions.



### Structural and Architectural Concrete:

If your project requires placement of concrete in demanding conditions or your clients seek a unique color, texture or possibly both, we have a solution. Grace's wide array of admixtures, including water reducers, accelerators, corrosion inhibitors, fibers, pigments and surface treatments can help you consistently achieve both aesthetic and performance demands wherever your project may be.



### Structural Steel Fire Protection:

It's about protection, it's about saving lives and prolonging the integrity of a structure in the event of a potentially devastating fire. Grace's fireproofing line of cementitious-based products offers efficient placement and exceptional performance characteristics for both exposed and non-exposed steel elements. It also offers the option of augmenting the appearance to achieve the design intent.



# Grace for Arts and Education

Grace technical experts can assist throughout your project delivery process

- Recommend the optimal building envelope solution for your project location.
- Work internationally with the project team throughout the entire design and construction process.
- Provide jobsite expertise and support.
- Facilitate global projects in all major construction segments.

Grace supplies products to more than 120 countries worldwide, through its plants and facilities in more than 40 countries, supported by a team of almost 6,000 people.

## Key regional offices include:

UK (London), France (Paris), Italy (Milan), Belgium (Brussels), Poland (Warsaw), Turkey (Istanbul), U.A.E. (Dubai), Saudi Arabia (Dammam), India (Delhi), China (Shanghai, Hong Kong), Singapore, South Korea (Seoul), Australia (Sydney), USA (Boston, Chicago, San Francisco), Brazil (Sao Paulo) and many more locations globally.

## Worldwide Headquarters

North America

W. R. Grace & Co.—Conn., 62 Whittemore Avenue, Cambridge, MA 02140-1692

[www.graceconstruction.com/international-projects](http://www.graceconstruction.com/international-projects)

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