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International Project Solutions

Grace for Commercial Buildings



City Center | Las Vegas, NV

GRACE

Grace for Commercial Buildings

Grace products have been used on commercial buildings around the world for almost half a century

EMEAI

Abu Dhabi Mall (Beach Rotana / Abu Dhabi Trade Centre)
 ADIA Headquarters
 Al Bahr Towers
 Al Raha Beach Development
 Al Sharq Hotel & Leisure Development
 Almoayyed Tower
 Amex UK Headquarters
 Aqaba Beach Resort Hotel
 Arab Bank
 BAB Guest Complex
 Bahrain City Centre
 Bahrain Financial Harbour, Villamar Towers
 Banco Popolare
 BBC Headquarters
 Bluewater Mall
 Broadgate
 Bur Juman Centre
 Canary Wharf Towers
 Century Textile Building
 City Centre Development
 Cleveland Clinic
 Dun & Bradstreet Headquarters
 Emirates Towers Office
 Glaxo Smith Kline
 Goa Assembly Complex
 Grosvenor House, Dubai Marina
 Gulf Tower
 Heart of Doha - Musheireb
 Hyatt
 Indiabulls Greens
 Infosys Technologies Building
 Jumeirah Beach Hotel
 Khalidya Palace Rotana Hotel
 Landmark Tower
 Lloyds Building
 Majlis Parliament Building
 Mall of the Emirates
 Marina Hotel, Yas Island
 Masdar Headquarters
 McLaren Technology Building
 Morocco Mall
 National Bank of Abu Dhabi Headquarters
 National Exhibition Centre
 One New Change
 Qasr Al Alam Guest Complex
 Ritz Carlton Hotel
 St. Regis Hotel, Nile Corniche Hotel
 The Ark
 The Pinnacle
 The Wave
 US Embassy
 Villa No.1, Bait Al Barakah
 Vodafone Village
 Westfield Centre, White City
 Zlote Tarasy
 Abu Dhabi, UAE
 Abu Dhabi, UAE
 Abu Dhabi, UAE
 Abu Dhabi, UAE
 Doha, Qatar
 Manama, Bahrain
 Brighton, UK
 Aqaba, Jordan
 Manama, Bahrain
 Muscat, Oman
 Seef, Bahrain
 Manama, Bahrain
 Milan, Italy
 London, UK
 Kent, UK
 London, UK
 Dubai, UAE
 London, UK
 Worli, India
 Dubai, UAE; Doha, Qatar; Muscat, Oman
 Abu Dhabi, UAE
 High Wycombe, UK
 Dubai, UAE
 Stevenage, UK
 Goa, India
 Dubai, UAE
 Doha, Qatar
 Doha, Qatar
 Hyderabad, India
 Chennai, India
 Chandigarh, India
 Dubai, UAE
 Abu Dhabi, UAE
 Abu Dhabi, UAE
 London, UK
 Muscat, Oman
 Dubai, UAE
 Abu Dhabi, UAE
 Abu Dhabi, UAE
 Woking, UK
 Casablanca, Morocco
 Abu Dhabi, UAE
 Birmingham, UK
 London, UK
 Muscat, Oman
 Doha, Qatar; Manama, Bahrain
 Cairo, Egypt
 London, UK
 London, UK
 Muscat, Oman
 Abu Dhabi, UAE
 Muscat, Oman
 Milan, Italy
 London, UK
 Warsaw, Poland

AMERICAS

11 Times Square Office Tower
 7 World Trade Center
 Amazon Headquarters
 Atlantis Resort
 Bank of America Office Tower
 Bay Adelaide Centre
 Brickell Financial Center
 CBS Entertainment Bldg & Office Tower
 Chenalut Residence
 City Center Plaza
 CityCenter
 Comcast Tower Office Buildings
 Consulado Monterrey
 Department of Human Services
 Disney Ko Olina
 Fidelity Campus
 Ft Lewis Warrior Barracks
 Gateway Center
 Goldman & Sachs World Headquarters
 Gotham Center
 Greektown Complex
 Hearst Corp Headquarters
 Highland Corp Center
 Hyatt Regency
 Ikea Furniture Store
 LA Live Marriott/ Ritz Carlton Hotel
 Lincoln Square North Office Tower
 New York, NY
 New York, NY
 Seattle, WA
 Paradise Island, Bahamas
 Charlotte, NC
 Toronto, Canada
 Miami, FL
 Chicago, IL
 Beverly Hills, CA
 Bellevue, WA
 Las Vegas, NV
 Philadelphia, PA
 Monterrey, Mexico
 Saint Paul, MN
 Honolulu, HI
 West Lake, TX
 Ft Lewis, WA
 Bronx, NY
 New York, NY
 Long Island City, NY
 Detroit, MI
 New York, NY
 San Diego, CA
 Denver, CO
 Brooklyn, NY
 Los Angeles, CA
 Bellevue, WA

Mall de Talca
 McCormick Place West
 Media Studios Office Park
 Medtronic Office Towers
 Metropolitan Miami 2
 Microsoft West Campus
 Moffett Towers Office Buildings
 Morongo Casino Resort & Spa
 National Geospatial Intelligence Agency
 New York Times Headquarters
 Nintendo Office Building
 Nokia
 North Bethesda Market
 Oxnard Collection
 Palazzo Tower
 Pinnacle Offices
 RBS Financial Building
 Ritz Carlton Hotel
 San Diego Court House
 Santa Monica Place
 SE Federal Center DOT Headquarters
 Spire
 The Bow
 The Residences at Ritz Carlton
 The Summit Building
 Transylvania County Public Safety Building
 U.S. Coast Guard Headquarters
 Vail Plaza Hotel
 Villagio Shopping Mall
 Washington Headquarters Service
 Talca, Chile
 Chicago, IL
 Burbank, CA
 Mounds View, MN
 Miami, FL
 Redmond, WA
 Sunnyvale, CA
 Cabazon, CA
 Springfield, VA
 New York, NY
 Redmond, WA
 Los Angeles, CA
 Bethesda, MD
 Oxnard, CA
 Las Vegas, NV
 Burbank, CA
 Stamford, CT
 Napa, CA
 San Diego, CA
 Santa Monica, CA
 Washington, DC
 Denver, CO
 Calgary, Canada
 Dallas, TX
 Bellevue, WA
 Brevard, NC
 Washington, DC
 Vail, CO
 Rio de Janeiro, Brazil
 Alexandria, VA

ASIA PACIFIC

ASEM Convention Centre
 Beijing LG Twin Tower
 BMW Classic Car Showroom
 Bundang Heritage
 Busan Shinsege Centum City
 Celestial Heights
 Century Hotel
 Changi Biz Park
 Changwon Convention Center
 Chia Thai Riverfest Project
 City of Dreams
 Civic Centre
 Disneyland (WDI Space Mountain, Story Book Theatre, Tomorrow Land)
 Ellipse 360
 FED Camp Humprey Family Housing
 Fusionopolis
 Galaxy Resort & Restaurant
 GKN Office
 Glomac Tower
 Graha Kuningan
 Grand Lisboa Macau
 Hill St Police Station
 International Commerce Centre at Kowloon Station
 International Finance Centre, Tower II
 Jin Station Complex
 Jurong Safra Country Club
 Katana Residences
 Kwan Chung Hotspring
 Macau Entertainment & Tower
 Marriott Royal Garden
 MGM Macau
 Nai Lert Park Raffles Place
 Nanjing Huawei RD&E Center
 National Defense & Administrative Office
 New Asia Tower
 New World Building
 New World C&E Center
 ONE KL Luxury Condo Building
 Pondok Indah Square
 Puri Matahari Residence
 Q1 Tower, High Rise Residential Building
 Senayan City Mall
 Sheraton Hotel
 Shin Kong Mitukoshi Department
 Shin Kong Office & Hotel
 SK HQ Eujiro Bldg.
 Sun Alliance
 Venetian Macau
 World Trade Centre
 Wuxi Government Affair Center
 Wynn Resort Macau
 Yojin Y City
 Seoul, Korea
 Beijing, China
 Perth, Australia
 Kyunggido, Korea
 Busan, Korea
 Hong Kong, China
 Jakarta, Indonesia
 Singapore
 KyungNam, Korea
 Shanghai, China
 Macau, China
 Auckland, New Zealand
 Hong Kong, China
 Taipei, Taiwan
 Kyunggido, Korea
 Singapore
 Macau, China
 Surabaya, Indonesia
 Kuala Lumpur, Malaysia
 Jakarta, Indonesia
 Macau, China
 Singapore
 Hong Kong, China
 Hong Kong, China
 Taipei, Taiwan
 Singapore
 Kuala Lumpur, Malaysia
 Xi'an, China
 Macau, China
 Phuket, Thailand
 Macau, China
 Bangkok, Thailand
 Nanjing, China
 Taipei, Taiwan
 Singapore
 Guangzhou, China
 Shenyang, China
 Kuala Lumpur, Malaysia
 Jakarta, Indonesia
 Surabaya, Indonesia
 Gold Coast, Australia
 Jakarta, Indonesia
 Shin Chu, Taiwan
 Kaoshung, Taiwan
 Taipei, Taiwan
 Seoul, Korea
 Auckland, New Zealand
 Macau, China
 Beijing, China
 Wuxi, China
 Macau, China
 ChoongNam, Korea

Grace for Commercial Buildings

“ *Architecture is the work of nations.* ”

– John Ruskin

Grace Capabilities

For over half a century, Grace Construction Products has provided solutions to many of the most challenging commercial construction projects worldwide. Impressive commercial structures, including retail plazas & shopping malls, high rise office and residential buildings, convention centers, mixed-used developments, luxury hotels and governmental facilities have relied on Grace’s advanced technologies over the years to enhance structural performance and ensure longevity. Such structures often employ complex and striking designs, which demand high performance protection. Grace offers it all.

The world’s leading architects, designers and contractors turn to Grace to supply them with the products and expertise they need to achieve excellence in design and construction – from maximizing the useful life and improving the aesthetic appeal of landmark structures; to safeguarding below-grade building components; providing air, water and moisture protection to walls and roofs; and fireproofing the structural steel elements of a building. Not only are these qualities important to those who work with our products, but also valuable to our society to give them the safety and security to enjoy them longer.

In today’s global environment, Grace is committed to bridging cultural and technology gaps by furnishing quality products across international borders. Grace has a global network of experts to assist and ensure that projects run smoothly – from the earliest design phases through construction and completion. Our broad technology portfolio allows for a variety of solutions regardless of the design or location.

It is said that every person’s work is a portrait of themselves. At Grace Construction Products, we let our work speak for itself.

Grace Brands are Globally Recognized





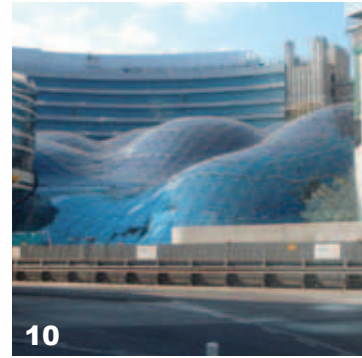
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1 Grand Lisboa Macau | Macau, China

2 7 World Trade Center | New York, NY

3 Aldar Headquarters, Al Raha Beach Development | Abu Dhabi, UAE

4 Bank of America Office Tower | Charlotte, NC

5 Beijing LG Twin Tower | Beijing, China

6 Emirates Towers | Dubai, UAE

7 Canary Wharf Towers | London, UK

8 Goa Assembly Complex | Goa, India

9 Q1 Tower | Gold Coast, Australia

10 Zlote Tarasy | Warsaw, Poland

11 Atlantis Resort | Paradise Island, Bahamas

12 Morocco Mall | Casablanca, Morocco



Grace for Commercial Buildings

Application Areas

Substructure:

Proper below grade waterproofing systems are critical for protecting both the commercial building exterior and interior. Commercial structures are often a mix of high-value conditioned spaces, common areas, storage sections, support areas (parking structures) and revenue-generating spaces, bordered by below slab areas, walls or buried roofs. Moisture infiltration in the form of liquid water or vapor can cause substantial damage to the structural substrate, as well as lead to issues related to mold, mildew and poor indoor air quality. Grace offers both sheet and fluid-applied structural waterproofing systems that provide long-term leak protection throughout the design life of the structure.



Elevated Deck / Green Roof:

Above grade horizontal surfaces are prone to catching and holding water. These areas may be used as pedestrian walkways, outdoor plaza decks, food courts or green roof areas to attract visitors and increase footfall for retail outlets. Grace's waterproofing membranes, protection and drainage are applied directly to the structural deck and typically covered by a permanent wearing surface. The membranes can be tied into both the below ground waterproofing and façade membranes to ensure total continuity of the building envelope from a single source.



Engineered Façade:

Complex wall designs often pose a challenge for design professionals to ensure acceptable building envelope performance. Air, water and vapor ingress through the exterior wall can cause premature deterioration of the structure, increased energy costs, resulting in substantial and costly remediation. A properly designed air barrier system can provide the level of protection needed to preserve the aesthetics, performance, durability and energy efficiency for the complete life of the building. Grace is a global leader in air barrier systems, offering a full line of sheet and liquid, permeable and impermeable air barriers.



Sloped Roof:

Grace's roofing underlayments provide a secondary barrier protecting against roof leaks caused by wind driven rain, snow, and ice melt at critical detail areas. Designers can choose from our complete portfolio of high-performance roofing membranes designed for any shape, geometry or type of roof covering to ensure superior in place performance and leak protection for the design life of the structure.



Structural and Architectural Concrete:

Concrete is a key component in almost any modern commercial structure. Grace manufactures a wide variety of concrete admixtures and fibers to meet design and construction requirements. Corrosion inhibitors cost-effectively protect reinforcement in areas such as parking garages. Cracking and shrinkage in deck toppings are mitigated through the use of synthetic macro fibers and shrinkage reducing admixtures. Integral color, surface retarders, and high-range water-reducers are combined to create architectural precast panels and precast/prestressed elements.



Structural Steel Fire Protection:

Many commercial structures are often constructed with structural steel frames. Structural steel fireproofing is critical to protecting the integrity of the steel members from fire damage. Grace's fire protection products come in a range of densities (standard, medium and high); they are spray-applied, allowing for timely installation and offer protection for concealed or exposed, conditioned or unconditioned interior spaces, as well as exposed exterior applications.



Grace for Commercial Buildings

Grace technical experts can assist throughout your project delivery process

- Recommend the optimal product 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

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