



# GCP for Sports and Stadiums

GCP products have been used on sports and stadiums around the world for more than a quarter century.

EMEA	
Al Saad Sports Club	Doha, Qatar
Arsenal Football Stadium	London, UK
Aspire Dome (world's largest indoor stadium)	Doha, Qatar
Aviva Stadium, Lansdowne Road	Dublin, Ireland
Bahrain International Circuit (F1)	Sakhir, Bahrain
Blackburn Rovers FC Ewood Park	Blackburn, UK
Bolton Wanderers FC Reebok Stadium	Bolton, UK
Chelsea FC Academy	Cobham, UK
Chester Racecourse	Chester, UK
City Academy Bristol: Sports Facility	Bristol, UK
City of Manchester Stadium	Manchester, UK
Cricket World Cup Stadium	Pune, India
Croke Park Gaelic Athletic Sports Stadium	Dublin, Ireland
Dartford Dojo (British Olympic Judo)	Dartford, UK
Dubai Sports Complex – Aquatic Centre	Dubai, UAE
Glulam Sport Hall	Milan, Italy
Letzi Park – Zürich Football Stadium	Zürich, Switzerland
Liverpool Arena	Liverpool, UK
Lourizán Olympic swimming pool	Pontevedra, Spain
Lusail International Circuit (Moto GP)	Lusail, Qatar
Manchester United FC Old Trafford	Manchester, UK
Meydan Racecourse	Dubai, UAE
Naas Racecourse	Dublin, Ireland
National Aquatic Centre	Dublin, Ireland
National Stadium	Bucarest, Romania
Olympic Aquatics Centre	London, UK
Olympic Main Stadium	London, UK
Olympic Velo Park	London, UK
Portlaoise Aquatic Centre	Portlaois, Ireland
RICOH Arena	Coventry, UK
Royal Ascot Racecourse	Ascot, UK
Sheikh Zayed Cricket Stadium	Abu Dhabi, UAE
South Leeds Stadium	Leeds, UK
Stadio San Siro Refurbishment	Milan, Italy
Stadium of Light	Sunderland, UK
Tallin Football Stadium	Tallin, Estonia
Twickenham Rugby Stadium	London, UK
Watershed Pool	Kilkenny, Ireland
Wembley National Stadium	London, UK
Winter Olympics Ice Hockey Stadium	Turin, Italy

AMERICAS	
American Airlines Center (Dallas Mavericks)	Dallas, TX
Brickyard Ballpark	Oklahoma City, OK
Camden Yards	Baltimore, MD
Cardinal Stadium	St. Louis, MO
Charlotte Coliseum	Charlotte, NC
Chase Field (Arizona Diamondbacks)	Phoenix, AZ
CitiField (Mets Stadium)	Queens, NY
Citizens Bank Park (Phillies Stadium)	Philadelphia, PA
Cleveland Browns Stadium	Cleveland, OH
Compaq Center (Houston Rockets)	Houston, TX
Cowboys Stadium	Arlington, TX
Fleet Center (Boston Bruins and Celtics)	Boston, MA
GM Place (Vancouver Canucks)	Vancouver, BC, Canada
Gulfstream Park Racetrack Clubhouse	Hallendale Beach, FL
Jobing.com Arena (Phoenix Coyotes)	Phoenix, AZ
Key Arena (Seattle Supersonics)	Seattle, WA
Lambeau Field (Green Bay Packers)	Green Bay, WI
Lincoln Financial Field (Eagles Stadium)	Philadelphia, PA
Marlins Stadium	Miami, FL
Meadowlands (- Stadium)	East Rutherford, NJ
MS Braves Stadium	Pearl, MS
Nationals Park Stadium	Washington DC
Olympic Aquatics Center	Atlanta, GA
Pittsburgh Penguins Arena	Pittsburgh, PA
PNC Park (Pirates Stadium)	Pittsburgh, PA
Qwest Field (Seattle Seahawks)	Seattle, WA
RBC Center (Carolina Hurricanes)	Raleigh, NC
Reliant Energy Stadium (Houston Texans)	Houston, TX
Rose Garden (Portland Trail Blazers)	Portland, OR
Safeco Field (Seattle Mariners)	Seattle, WA
SBC Arena (San Antonio Spurs)	San Antonio, TX
Soldier Field	Chicago, IL
Target Field (Twins)	Minneapolis, MN
Turner Field (Atlanta Braves)	Atlanta, GA
University of Phoenix Stadium (Arizona Cardinals)	Phoenix, AZ
Xcel Energy Center	St. Paul, MN
Yankee Stadium	Bronx, NY

ASIA PACIFIC	
Brookwater Golf Club	Brookwater, Australia
Changsha Sports Centre	Changsha, China
FED Camp Humphreys Fitness Center & swimming pool	Pyung Taek, Korea
Fukui Dome	Fukui, Japan
Indoor Athlete Complex	Pattaya, Thailand
Kwang Myung Dome Cycle Stadium	Kwang Myung, Korea
Macau Olympic Swimming Pool	Macau, China
National Taiwan University Gymnasium	Taipei, Taiwan
Royal Randwick Race Course	Sydney, Australia
SEA Game Stadium (ChiangMai)	ChiangMai, Thailand
Sengkang Sports Complex	Singapore
Shandong Sports Center	Jinan, China
Shatin Racecourse	Hong Kong, China
Singapore Indoor Stadium	Singapore
Sydney Jockey Club	Sydney, Australia
Thai Military BankSport Center	Bangkok, Thailand
Thammasart University Sport Training Center	Bangkok, Thailand
Tso Kung Tam Park	Hong Kong, China

*“Talent wins games, but teamwork and intelligence win championships.”*

–Michael Jordan, Basketball Legend

## GCP Capabilities

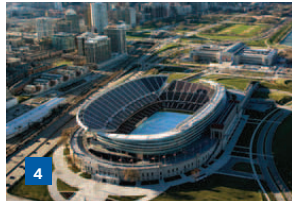
The GCP Construction Products team has served the needs of the international construction industry for more than half a century. Our quality products and innovative technologies have provided winning solutions to some of the most challenging construction projects. Today, GCP products are found in major buildings and infrastructure projects all over the world.

Many world famous sports facilities rely on GCP’s premium products to enhance structural performance and ensure many years of uninterrupted service. GCP has participated in the construction of a wide variety of sports complexes and stadiums: football, baseball, hockey, cricket, judo, swimming, golf, car, motorcycle, or horse racing, to name a few. Architects, designers and contractors choose GCP to solve their complicated problems – from providing structural durability and improving the aesthetic appeal of concrete structures; to waterproofing below-grade building components; providing air, water and moisture protection to walls and roofs; and fireproofing the structural steel elements of the building.

Working on projects across borders and continents has become a common and necessary practice in today’s environment. GCP has a global team committed to ensure international projects run smoothly and get the full support and coordination from concept design through construction and close out. We have the broad technology portfolio and the expertise to bridge differences in construction practices, regulatory requirements, and cultures and are ready to provide you with value-added solutions.



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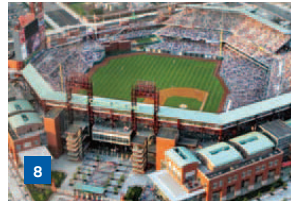
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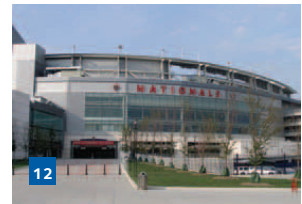
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1 Wembley Stadium | London, UK  
2 Changsha Stadium | Changsha, China  
3 Yankee Stadium | Bronx, NY

4 Soldier Field | Chicago, IL  
5 Cowboys Stadium | Arlington, TX  
6 Arsenal Stadium | London, UK

7 Aspire Dome | Doha, Qatar  
8 Citizens Bank Park | Philadelphia, PA  
9 Olympic Stadium | London, UK

10 Singapore Indoor Stadium | Singapore  
11 CitiField | Queens, NY  
12 Nationals Park | Washington DC

## GCP Brands are Globally Recognized



## Application Areas

### **Substructure:**

Selecting a below grade waterproofing system requires careful consideration to protect critical enclosed areas such as locker rooms, offices, mechanical rooms, pedestrian and utility tunnels common in sports architecture. This may include below slab areas, walls and buried roofs. Moisture penetration in the form of liquid water or vapor can cause significant damage to structural concrete and interior finishes, as well as lead to issues related to mold, mildew and poor indoor air quality. GCP is a global leader in both sheet- and fluid-applied structural waterproofing systems that offer leak protection for the design life of the structure.

### **Elevated Deck/Green Roof:**

Even well designed, above grade horizontal surfaces are likely to catch and hold water. These areas may be used as pedestrian concourse and walkways or luxury suites and concession areas. GCP's waterproofing membrane, protection and drainage are applied directly to the structural deck and typically covered by a permanent wearing surface. These areas are often being utilized as green spaces. Interior applications include wet rooms such as commercial kitchens and bathrooms.

### **Engineered Façade:**

Air, water and vapor leakage through the exterior wall can cause premature deterioration of the building envelope, increased energy costs, and resulting mold and mildew and poor indoor air quality. A properly designed air barrier system can have a dramatic impact on the aesthetics, performance, durability and energy efficiency of the building. GCP offers a full line of sheet and liquid, permeable and impermeable air barrier systems.

### **Sloped Roof:**

GCP's underlayment products help extend the life of the roof by protecting against roof leaks caused by wind driven rain, snow, ice melt and at critical detail areas. No matter the climate or how complex the shape, geometry or type of roof covering is, a properly designed roof underlayment membrane can offer superior in place performance and leak protection for the design life of the structure.

### **Structural and Architectural Concrete:**

GCP offers a wide variety of admixtures and fibers to meet design and construction requirements. Corrosion inhibitors cost-effectively protect reinforcement in stadium parking garages. Cracking and shrinkage in deck toppings are mitigated through the use of synthetic macro fibers and shrinkage reducing admixtures. Placement around congested reinforcement in site-cast concrete is addressed with highrange water-reducers. Retarders and accelerators are employed routinely to accommodate temperature extremes and meet stadium construction schedules. Integral color, surface retarders, and high-range water-reducers are combined to create architectural precast panels and precast/prestressed elements.

### **Structural Steel Fire Protection:**

Sports Architecture often includes structural steel elements to accommodate the shape and curvature inherent in the design. Structural steel fireproofing is critical to protecting the structural integrity of the steel members from fire damage. GCP offers a range of standard, medium and high density spray-applied cementitious fireproofing materials for concealed or exposed, conditioned or unconditioned interior spaces, as well as exposed exterior applications. Damage resistant surface resists air erosion, abrasions and impact damage and are suitable for exterior exposure-resists freeze/thaw, wind and rain.

# GCP 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 construction process.
- Provide jobsite expertise and support.
- Facilitate global projects in all major construction segments.

GCP 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.

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