

Atalanta Sports Stadium Uses Full Waterproofing Solution

PREPRUFE® and BITUTHENE® membranes waterproof Italian sports center.



Project	Bortolotti Centre
Client	Atalanta Bergamasca Calcio S.p.A
Agent	Edile MI.RI S.r.l – Ghisalba (BG)
Structural design	Dr. Eng. Mario Zamboni (BG)
Architectural design	Arch. Rino Cattaneo – Verdellino (BG)
Site Manager	Geom. Silvano Righentini
Waterproofing	IRIDE S.r.l Misano Gera d'Adda (BG)
Area Technical Manager	Geom. Roberto fortune (Agent WR Grace S.p.A)
GCP Solutions	PREPRUFE® pre-applied waterproofing, BITUTHENE® waterproofing, HYDRODUCT® drainage

Project

Constructing a massive sports and management facility

Atalanta Bergamasca Calcio S.p.A. gives a new pulse to the activities of the Bortolotti Centre. This project included improving the shape of the center, rebuilding the existing buildings, and building new sports and management facilities.

Located next to Ciserano and Verdellino, the sports center includes offices, a gymnasium, shops, cafeteria, sauna, and relaxation rooms.

The stadium construction project covers a large area of over 2,800 m², of which 1,400 m² is underground and the remaining 1,400 m² is on three above ground floors.

The basement area required an effective waterproofing system resistant to water and moisture.

"The basement area required an effective waterproofing system resistant to water and moisture."

Building in a high water table

Stadium construction was centered in an area where the level of the water table was high, which involved both careful planning and organization of the site. Water with a high-variable degree of hardness – and also containing salts and other particularly aggressive chemical products – may come in contact with stadium construction. This meant that using an advanced waterproofing system was essential.

The spatial division of the structure is highly complex and articulated. The basement was intended for dedicated spaces, including medical rooms, changing rooms, gymnasium, kitchens, cafeteria, bar, pantry, offices, the print room, and meeting rooms. This extensive use of the basement was made possible by using a stable and effective waterproofing system resistant to water and humidity.

"This extensive use of the basement was made possible by using a stable and effective waterproofing system resistant to water and humidity."

Delivering a complete waterproofing solution

A complete waterproofing system comprised of PREPRUFE® pre-applied membrane, BITUTHENE® self-adhesive membrane, and HYDRODUCT®200 drainage composite was chosen to protect this stadium.

PREPRUFE® membrane consists of a robust high-density polyethylene (HDPE) film, which is impermeable to water, water vapor, and gas, and a proprietary adhesive that bonds to the concrete. PREPRUFE® not only protects the structure from water ingress. It becomes an integral part of the structure. This sealing prevents the migration of water and moisture at the membrane and concrete interface, thereby eliminating possible infiltration of water into the structure.

"Preprufe® not only protects the structure from water ingress. It becomes an integral part of the structure."

gcpat.com | North America Customer Service: 1 877-4AD-MIX1 (1 877-423-6491)

This document is only current as of the last updated date stated below and is valid only for use in the United States. It is important that you always refer to the currently available information at the URL below to provide the most current product information at the time of use. Additional literature such as Contractor Manuals, Technical Bulletins, Detail Drawings and detailing recommendations and other relevant documents are also available on www.gcpat.com. Information found on other websites must not be relied upon, as they may not be up-to-date or applicable to the conditions in your location and we do not accept any responsibility for their content. If there are any conflicts or if you need more information, please contact GCP Customer Service.

Last Updated: 2019-09-19

gcpat.com/about/project-profiles/atalanta-sports-stadium-uses-full-waterproofing-solution