World Cup Soccer is a PENETRON Sport – Russia 2018

Over the years, PENETRON has been behind countless large sports stadium projects, the kind that demand significant experience in the construction of complexes used for global sports events. The PENETRON crystalline technology was used for the Summer Olympics 2008 in China, the FIFA World Cup 2010 in South Africa, the Sochi Winter Olympics 2014 in Russia and the last FIFA World Cup in 2014 in Brazil.

Held every four years, the FIFA World Cup is the biggest single sports tournament in the world. This year’s World Cup is hosted for the first time by a country from Eastern Europe: Russia. Thirty-two national men’s teams from around the world will converge at 12 venues across European Russia (14 June–15 July 2018) to play for soccer’s highest honor.

The world's largest country (by area) with a population of over 140 million, Russia has invested over $10 billion USD to host the FIFA World Cup 2018. The tournament is held in 11 cities across three different time zones. The westernmost host city – Kaliningrad - and the easternmost host city – Yekaterinburg – are 2,000 miles apart, further than the distance between Los Angeles and Chicago.

PENETRON Russia worked with the World Cup construction teams across Russia to provide concrete waterproofing know-how to projects that often underwent numerous changes in design and size. The applications of PENETRON crystalline technology included PENETRON ADMIX and the complete range of PENETRON topical products.

Featured below are the FIFA World Cup 2018 stadiums that used the PENETRON crystalline technology.

With kind regards,

Jozef Van Beeck
Director, International Sales & Marketing
PENETRON INTERNATIONAL LTD.
Russia's most famous soccer stadium underwent a comprehensive renovation that also preserved the stadium's historical façade, a Moscow landmark. Extra bleacher tiers were added, increasing seating to 80,000. PENETRON and PENECRETE MORTAR were topically applied to waterproof all the new concrete for the stadium walls and increase the durability of the concrete slabs of the spectator seating areas.
Designed by Populous, the architects behind Wembley and the Emirates stadiums in England, this venue hosted the 2013 Summer Universiade sports event and the Confederation Cup 2017. It features the world’s largest (4,030 m²) outdoor high-definition screen and has a 45,000-seat capacity. PENETRON topical materials were applied to repair the concrete structures during renovation work completed 5 years ago.

Rostov Arena, Rostov-on-Don

This brand-new 45,000-seat facility, built on a 40-hectare site on the shores of the Don River, went through many changes. The riverside location made a reliable waterproofing solution necessary. PENETRON Don, the local PENETRON company, helped Krokus International, the contractor, treat over 200,000 tons of concrete used for the stadium structures. Applying PENETRON ADMIX and PENEPLUG helped to significantly accelerate the pace of the construction.

Arena Baltika, Kaliningrad
Situated on Oktyabrsky Island, this brand-new 35,000-seat facility also underwent many adjustments due to the wetlands location. Hydrostar, a PENETRON dealer, provided PENETRON ADMIX to waterproof the below-ground structures against groundwater. PENETRON and PENECRETE were used for repair work in the stadium and the adjacent wastewater treatment plant.

Mordovia Arena, Saransk

Located in the center of Saransk (close to the railway station and a new airport), on the banks of the Insar river, the new Mordovia Arena features 45,000-seat capacity and a brightly colored exterior. Hydrostar provided PENETRON and PENECRETE MORTAR as a topical waterproofing solution for the high water table.

Samara Arena, Samara
With a 65 m (215-feet) high glass dome, the 45,000-seat Samara Arena is one the World Cup’s most striking venues. Izosystema, the PENETRON dealer, persuaded the contractor to opt for a PENETRON topical waterproofing treatment (PENETRON and PENEBAR SW) for both stadium and adjacent wastewater treatment plant (that serves the stadium and region).