SIKA AT WORK
SOCHI WINTER OLYMPICS MONOGRAPH

SIKA FOOTPRINT IN SPORT VENUES

BUILDING TRUST

SIKA FOOTPRINT IN CONSTRUCTION FOR SOCHI WINTER OLYMPICS

With Sika basement to roof solutions

THE WINTER OLYMPICS STARTING February 7, 2014 in Sochi is the result of years of preparation – not only for the athletes, but also for the construction industry. Sika supplied 6,600 tons Sika® Sigunit® and 2,100 tons Sika® ViscoCrete® concrete admixtures, over 500,000 m^2 Sikaplan® waterproofing membranes, more than 100,000 m^2 Sikafloor® flooring products and many other products for the construction of stadiums, roads, train stations, airport, bridges, tunnels and hotel complexes to make Sochi ready for 2014 Winter Olympics.
Eight employees from Sika Russia were specifically assigned to directly support with their expertise the numerous projects which needed to be built or refurbished for this major sport event.
To hold an Olympic game, three categories of facilities need to be ready: sport venues, transport infrastructure and non-residential buildings for hospitality. Let's now start the journey to Sika sport venue gallery.

SPORT VENUES

ADLER ARENA SKATING CENTER

PROJECT DESCRIPTION
Adler Arena Skating Center, an 8,000-seat speed skating oval in the Sochi Olympic Park, Russia, was newly constructed in 2013. Size in m^2: 50,800. After the Olympics, it will be converted to an exhibition center.

SIKA SOLUTIONS
Mechnically fastened roofing system with
Sarnafil® S 327-15EL PVC membrane

PROJECT PARTICIPANTS
Architect: Stroyinternational, Kuban Universal Project
Contractor:
Stroyinternational

SPORT VENUES

FISHT OLYMPIC STADIUM

SIKA SOLUTIONS
For this huge stadium, a solid structure with reliable load resistance is very important. SikaWrap® 530 composite fabrics and Sikadur® 330 epoxy Impregnating resin were used for the structural strengthening of this stadium.

PROJECT PARTICIPANTS
Architect:
Populous, Buro Happold
Engineer: GUP MNIIP Mosproject -4
Contractor: Engeocom

PROJECT DESCRIPTION
Fisht Olympic Stadium with capacity of 40,000 seates is for the opening and closing ceremonies. It was newly constructed in 2013. After the Olympics Games, it will be expanded to accommodate the 2018 FIFA World Cup, before retiring as a scaled-down, 25,000-seat home venue for the local football team.

ICE PALACE OF SPORTS

SIKA SOLUTIONS
Sikaplan® 12 VGWT for basement waterproofing.

PROJECT PARTICIPANTS
Architect:
GUP MNIIP Mosproject-4
Engineer: GUP MNIIP Mosproject -4
Contractor: Engeocom

PROJECT DESCRIPTION
This 12,000-seat arena is for figure skating and short track speed skating events. It was newly constructed in 2012. Once it has fulfilled its purpose at Olympic Park, it will be disassembled and moved to another Russian city to serve as a skating center.

BOLSHOY ICE DOME

SIKA SOLUTIONS
Sika® ViscoCrete® 5-600NPL, Sika® ViscoCrete® 3300, Sika® Plastiment® 1135 and Sika® Plastiment® BV 3M concrete admixtures for high quality concrete and Sikaplan² WP 1100-15HL for basement waterproofing.

PROJECT PARTICIPANTS
Architect: SIC Mostovik
Engineer: SIC Mostovic
Contractor: SIC Mostovic

PROJECT DESCRIPTION
This 12,000 –seat dome is for ice hockey events. It was newly constructed in 2013.After the Games, the dome will serve as an ultra-modern, world-class multi-purpose sports and entertainment center."

SHAYBA ARENA

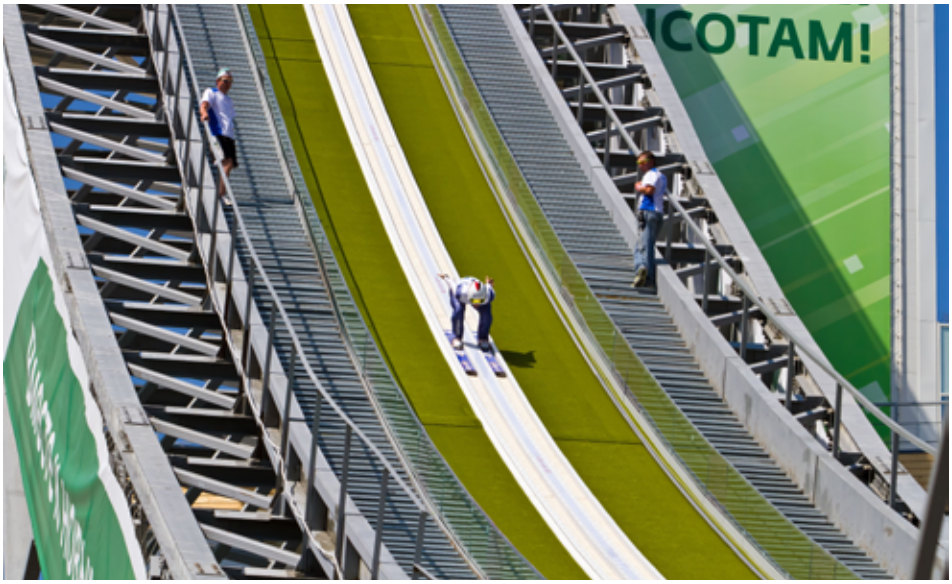
SIKA SOLUTIONS
Sika® ViscoCrete® 3300 and Sika® Plastiment® 1135 concrete admixtures for high quality concrete.

PROJECT PARTICIPANTS
Architect: Stahlbau Pichle,
Engineer:
CRI industrial buildings
Contractor: UGMK –Holding, Baltic Construction Company (№48)

PROJECT DESCRIPTION
This 12,000 –seat dome is for ice hockey events. It was newly constructed in 2012. After the Games, it can be dismantled and transported for post-Games use as an Ice Palace in another Russian city.

SPORT VENUES

RUSSKI GORKI JUMPING CENTRE



SIKA SOLUTIONS
Sika® Plastiment® BV 3M and SikaPlast® 2135 for high quality concrete.

PROJECT PARTICIPANTS
Architect: Kohlbecker
Engineer: TransKomStroy
Contractor: TransKomStroy

PROJECT DESCRIPTION
This 7,500-seat Ski jumping Centre sits on the junction of two ridges in order to ensure that the ski-jumping facilities fit well with the surrounding landscape. It was newly constructed in 2013.

OLYMPIC CAULDRON FOUNTAIN

SIKA SOLUTIONS
Sikaplan® WP 1100-20HL for waterproofing.

PROJECT PARTICIPANTS
Architect: Stroyinternational, Kuban Universal Project
Contractor: Stroyinternational

PROJECT DESCRIPTION
The design idea of the Sochi 2014 Olympic Cauldron comes from Firebird – a popular character of Russian fairy tales . It is located in the Medals Plaza, where every night the medal awards ceremony for the Olympic champions takes place. It was newly constructed in 2013.

BOBSLEIGH COMPLEX

SIKA SOLUTIONS
Sikaplan® 15VGWT and Sikaplan® WP1100-15HL for waterproofing.

PROJECT PARTICIPANTS
Architect: SIC Mostovic
Engineer: SIC Mostovic, InforceProject
Contractor: SIC Mostovic

PROJECT DESCRIPTION
The 1,814-meter-long Sochi track was built in 2013 and is so far the longest ever in the world for bobsleigh, luge and skeleton. After the Games, the complex will be opened to tourists. for bobsleigh, luge and skeleton in winter and , for cycling and roller-skating in summer.

LAURA CROSS-COUNTRY SKIING AND BIATHLON COMPLEX

SIKA SOLUTIONS
Sikafloor® 161/ 156/ 263/ 264/ 262AS/ 220W for the flooring of the spectator area and Sika® Elastomastic TF for heavy traffic areas.

PROJECT PARTICIPANTS
Architect: Grindaker, Rosengineering
Engineer: Rosengineering
Contractor: Rosengineering

PROJECT DESCRIPTION
The arena is unique on the world circuit because it is designed to have a biathlon zone and cross-country zone separately. It was built in 2011 on the bridge Psekhako in the village Krasnaya Polyana, at a height of about 1800 metres. In both zones there are 7500 seats for spectators. After the game this will remain, but some parts of the complex can be dismantled.

SIKA FOOTPRINT IN OLYMPICS

SIKA RUSSIA – A RELIABLE PARTNER

Sika Russia with its headquarters in Lobnya near Moscow has about 200 employees. For the construction work of the Winter Olympics in Sochi they supplied 6,600 tons of Sika® Sigunit® and 2,100 tons of Sika® ViscoCrete® as concrete additives, over 500,000 square meters of Sikaplan® waterproofing membranes, more than 100,000 square meters of Sikafloor® and many other products. Sika has proven itself to be a reliable partner who fulfills its obligations and makes Sochi ready for this year's Winter Olympics.

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