



Adler Ice Scating
Arena



Kuban Universal Project, Cannon Design

PROJECT REPORT

Adler Ice Scating Arena

Sochi, Russia

ARCHITECT

Kuban Universal Project, Cannon Design

MANUFACTURER

Kalzip

PRODUCT

11,000m² Reynolux[®] Building pre-painted aluminium

SURFACE

Colour: Grey

Coating: DURAGLOSS[®] 5000

APPLICATION

FC Facade, Kalzip 65

Perforated and tapered aluminium sheets*

* Please note: For projects including perforation please contact our technical service.

ABOUT

Ice crystal-inspired surface made of Reynolux[®] Building

Six spectacular new sporting stadiums – together covering some 150,000 m² – are a memorable and enduring feature of the 2014 Winter Olympic Games at Sochi, Russia. Oleg Kharchenko, chief architect at SC Olympstroy, the state corporation for construction of Sochi's Olympic venues, described the Sochi Olympic Park as 'an architectural ensemble incorporating a diverse array of facades, colours and textures'. Tata Steel subsidiary and manufacturer of tailored metal building envelopes Kalzip has made a significant contribution to this image, as it was involved in the complex designs of two of the six stadiums: namely the Bolshoy Ice Dome, home to the Games' main ice hockey matches; and the similarly curvilinear yet distinctly ice crystal inspired Adler Skating Arena.

The Adler Arena Skating Center (now the Adler Arena Trade and Exhibition Center) opened in 2012 as an 8,000-seat speed-skating oval. In plan though, this cool grey and white building is essentially a rectangle with rounded corners. Angled walls and triangular sections of glazing reinforce the building's intentionally crystalline surface appearance. The \$32.8 million building was designed by the Russian company Kuban Universal Project and the international architectural and engineering firm Cannon Design, responsible for the Richmond Oval for the 2010 Vancouver Winter Games, designed its clean-lined interior, which housed two competition lanes as well as a training area.

The defining feature of this impressively sleek and beautiful edifice though has to be its ice crystal-inspired exterior surface, a surface effect provided by Kalzip 65 perforated* and tapered Reynolux[®] Building aluminium sheets from Arconic Architectural Products SAS. The underside was made using a similarly perforated Kalzip FC façade panels in Grey RAL. From the inside, says Kalzip, this gives spectators an unobstructed view of the Olympic Park. Some 11,000 m² of Kalzip profiled Reynolux[®] Building aluminium sheets were used in the construction of the Adler Arena. All these sheets were manufactured on-site using what Kalzip describes as 'state-of-the-art' mobile roll-forming technology.



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