

## THE BUILDING

The Carnegie Teaching and Research Building (CTAR), a £45 million state-of-the-art facility, serves as the flagship home for the Carnegie School of Sport, blending modernity with the historic charm of its surroundings. Its enhanced public realm offers a vibrant and flexible environment for students and athletes alike.

The main plaza, adorned with multi-stem trees and verdant planting, fosters interaction and informal learning. A grand staircase leads gracefully to the plaza level, complemented by sculpted grass plateaus, seamlessly integrating with the landscape.

Aligned with the University's sustainability goals, CTAR's public realm promotes eco-conscious practices with pedestrian-friendly access routes, ample cycle parking, and a biodiverse roof terrace.

## **THE GLASS**

The COOL-LITE® SKN 176, is a solar control glass product featuring a high-performance coating applied to PLANICLEAR® glass through cathodic sputtering under vacuum conditions. Part of the evolving COOL-LITE® range, COOL-LITE® SKN 176 provides a blend of benefits, including:

- Generous Natural Light: COOL-LITE® SKN 176
   ensures ample light transmission while controlling
   solar heat gain, creating bright and comfortable
   indoor spaces.
- Energy Efficiency: By reducing unwanted heat from sunlight, COOL-LITE® SKN 176 contributes to energy savings and lower cooling costs.
- Indoor Comfort: With its excellent thermal performance, COOL-LITE® SKN 176 helps maintain comfortable indoor temperatures year-round.
- Versatile Design Compatibility: The high degree of neutrality of COOL-LITE® SKN 176 ensures seamless integration with various architectural styles and designs.

Moreover, when integrated with Saint-Gobain's STADIP® laminated safety glass range, COOL-LITE® SKN 176 enhances safety credentials significantly. STADIP® laminated glass, comprising multiple layers bonded with polyvinyl butyral (PVB) film, offers:

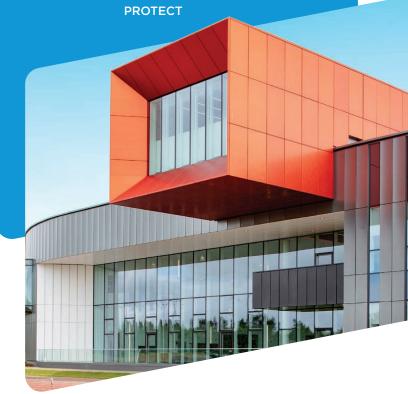
 Fragment Retention: In the event of breakage, the interlayer holds glass fragments together, preventing them from fragmenting and reducing the risk of injury. Project:

## CARNEGIE TEACHING & RESEARCH BUILDING

Location: Leeds
Sector: Education

Featured: SGG COOL-LITE® SKN 176 II on

PLANICLEAR® and SGG STADIP®



- Fall Protection: Particularly crucial in areas with elevation changes or where falling objects pose risks, STADIP laminated glass provides added protection.
- Compliance and Suitability: Mandatory safety standards, as required in public buildings and residential spaces, can be effectively met with STADIP laminated glass, ensuring occupant safety and peace of mind

Combining COOL-LITE® SKN 176 with STADIP® laminated glass, not only enhances the solar control properties and thermal performance of a building but also prioritises safety and security in architectural applications.