

## 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® PROTECT



- **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.