

THE BUILDING

Eden is a pioneering 12-storey, 115,000 sqft office development set in Manchester's thriving New Bailey district. From its inception, sustainability and net zero carbon principles have been at the heart of its design, meeting the rigorous standards set by the UK Green Building Council for operational carbon neutrality.

More than just a building, Eden embodies a commitment to environmental responsibility and occupant wellbeing. Its design prioritises both sustainability and human comfort, ensuring a future-proof workspace that resonates with the sustainability values of tomorrow.

THE GLASS

The specialist Technical Specification team at Saint-Gobain Glass can provide tailored solutions to meet a project's unique needs. During the specification stage of this city centre project, we conducted glass safety breakage calculations, leading to the selection of the COOL-LITE® XTREME paired with our STADIP® range, by specifying the COOL-LITE® XTREME 61/29 product, specifically an 8.8 annealed laminate glass, the building benefits from a flat appearance, minimal distortions, and enhanced breakage safety.

COOL-LITE® XTREME 61/29 was chosen for its exceptional solar control and energy efficiency. This high-performance solution maintains the appealing neutral aesthetics of the COOL-LITE® XTREME range.



Project:

EDEN, NEW BAILEY

Location: Manchester
Sector: Commercial Offices
Featured: COOL-LITE® XTREME 61/29



With high light transmission, it maximises daylight, while its low solar factor reduces cooling loads and air conditioning reliance. Its impressive centre pane U-value of 1.0W/m²K ensures excellent thermal insulation, promoting energy savings and comfort.

Given the building's city centre location, noise reduction was a critical consideration. The COOL-LITE® XTREME range, when paired with STADIP® SILENCE, significantly reduces noise, creating a quieter and more comfortable indoor environment. This is particularly beneficial in busy urban areas, where external noise can impact the wellbeing and productivity of occupants. Combined with STADIP® products, it also enhances safety and security, making it ideal for modern architecture.