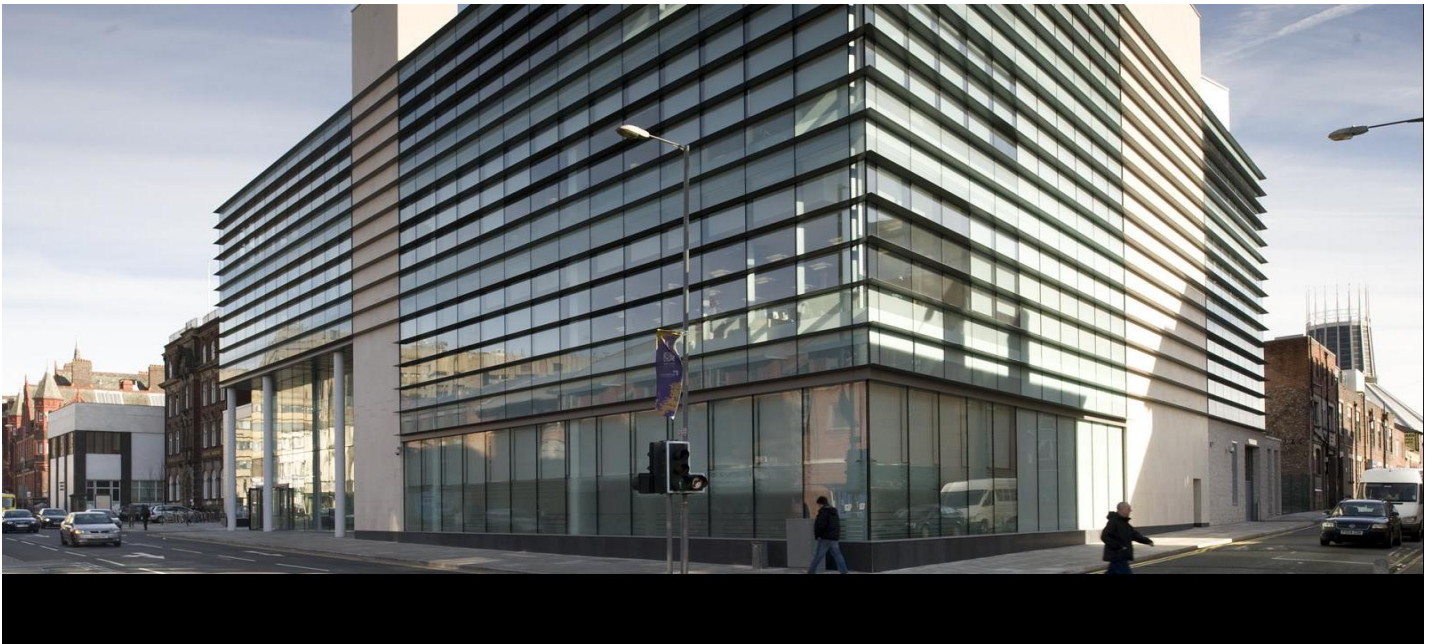


LITE-WALL®



Description

LITE-WALL ISO

Point-fixed insulated glass with optimum system separation between safe mechanical restraints of the laminated inner sheet without penetrating to the outer sheet which achieves improved thermal insulation. Wind loads as well as self-weight of the outer sheet are carried by the silicone structural bonding to the inner sheet. In addition the outer sheet of SECURIT Fully Tempered safety glass is connected to the inner sheet with four mechanical restraints.

The patented glass fixing characterises its complete surface without any penetration to the outer sheet.

LITE-WALL ISO uses a minimum number of visible connections for maximum transparency in facades, roofs or entrances.

In connection with filigree structures it is possible to create aesthetic glass walls which generously fill interiors with daylight and which harmonise with existing building materials.

LITE-WALL MONO

System for point-fixed, flush-surfaced glass connections of monolithic glass which can be either fully tempered (FT) or laminated safety glass (LAM). Screen-printed, enameld or satinised glass is allowed.

LITE-WALL MONO is the first point-fixed glazing system with European technical Certification ETA-09/0143 and has a general building permit in germany (permit Nr. Z-70.2-19).

Using countersunk point fixings in connection with sub-frames of steel or glass, it is possible to build filigree glass structures.

For the connection to the under construction there are a number of articulated fittings available such as the patented (DE 19839419) spider solutions.

BENEFITS

Unobtrusive, flush appearance

LITE-WALL ISO & MONO contribute to the creation of all-glass assemblies and innovative projects. With LITE-WALL systems, the glass is not set in frames like traditional constructions, but held in place by point-fixings which do not penetrate the outer pane of the IGU, thus creating innovative aesthetic all-glass facades.

Enhanced acoustic and thermal insulation

Since the bolts do not penetrate the outer pane of the IGU, this improves the thermal performance of the unit because there is no cold bridging via the bolt from one side to the other. The acoustic performance of the IGU is also improved and the unit is more weather tight.

Maximum transparency

All-glass structures can be created, ensuring interiors are generously provided with natural light. When refurbishing older buildings, the clarity of the glass allows the original structure to be exposed in its true form.