

PROJECT HIGHLIGHT

CASE STUDY



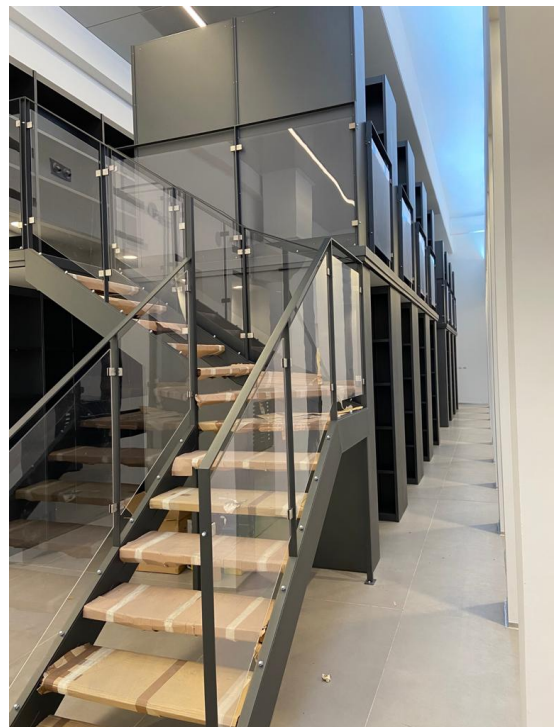
AESTHETIC DESIGN AND BEST IN CLASS WITH OUTSTANDING PROPERTIES FOR DURABLE WINDOW APPLICATIONS

The State Archives of Rome, a leading company in the shelving and library furniture sector, started a new building project to create a spacious, aesthetic, and light design.

Their main objective was to install a product as strong as glass though much lighter and with the same characteristics to create an architectural and structural design.

PRODUCT SOLUTION:

They analyzed different materials and selected the LEXAN™ EXELL™-D sheet in 8mm, a transparent (112) lightweight sheet with high impact strength and excellent fire performance. Combining these specific product benefits resulted in the recommendation to install this specific LEXAN™ Sheet product.



"We are very satisfied with the material and the collaboration with Plaster S.p.A.". They were situated close to the project and also took care of the complete cutting process of the sheets. We look forward to more collaborations.

F.lli Gionchetti Matelica FGM srl
for the State Archives of Rome

PRODUCT BENEFITS:



EXTREMELY HIGH IMPACT STRENGTH
Virtually unbreakable



EASY TO CLEAN AND DISINFECT
Withstands repeated cleaning with common cleaning agents



GRAPHICS
Available for different printing solutions



EXCELLENT LIGHT TRANSMISSION
Transparency up to 90%



EASY TO INSTALL
Ease of handling and installation



CHEMICAL RESISTANCE
Resistant to most moderate chemicals



LIGHTWEIGHT
Outstanding light weight advantages against glass



FLAME RETARDANT
Excellent fire performance



THERMOFORMABLE
Easy to design and form

RESULTS

LEXAN™ EXELL™-D sheet can be easily used into a variety of window and skylight applications. It's lightweight and 250 times stronger than standard glass, the product benefits of LEXAN™ Polycarbonate (PC) sheet makes it the perfect candidate for this architectural project in Rome, Italy.

LEXAN™ POLYCARBONATE SHEET VIDEOS



IMPACT PERFORMANCE



FIRE PERFORMANCE



CLEANING PERFORMANCE

MORE INFORMATION:

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