



Case Study: Trinity Leeds Shopping Centre, Leeds, UK



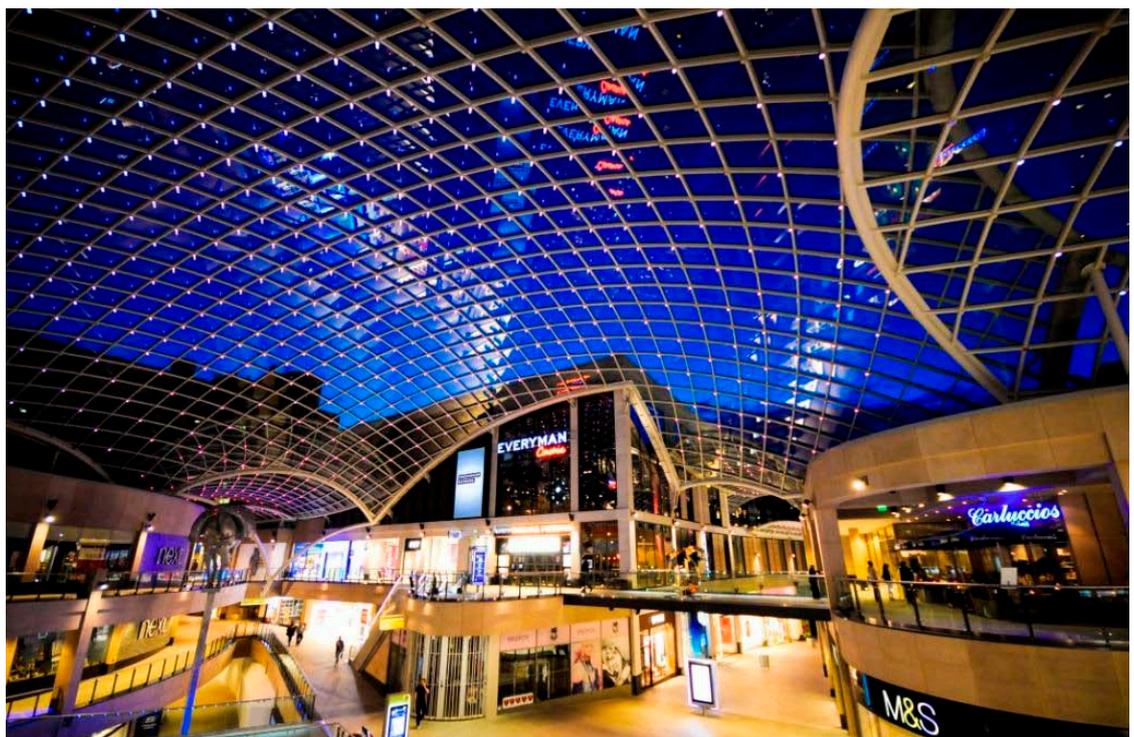
GRC can be finished to look like sandstone, but its moulded, not quarried. This allows the creation of complex curves and other irregular profiles which could not be economically achieved in stone.

Trinity Leeds is the only major shopping centre to open in Western Europe in 2013. With more than 120 shops, restaurants and entertainment venues it shows confidence in the recovery of retail business in the UK, and also in the architect's choice of GRC for this high-profile and prestigious project.

PROJECT REQUIREMENTS

In searching for the best material for the internal facades, international architects Chapman Taylor were looking for a challenging combination of aesthetics, durability, low cost, low maintenance, and fire retardant properties. Panels had to come in a wide variety of shapes and sizes, with subtle colour variations to represent the appearance of a natural material.

GRC was the only material which could satisfy all these requirements, and Chapman Taylor produced a strict specification to control the quality of GRC supplied.



GRC panels with the appearance of sandstone under the sweeping glass dome roof.



Constructed on 3 levels Trinity Leeds integrates seamlessly with the established shopping streets.

SOLUTION

GB Architectural Cladding Products were commissioned to produce prototype panels for Chapman Taylor, and following a review of GRC providers in the UK and W. Europe by main contractor Laing O'Rourke, GB Architectural were appointed to design and manufacture the GRC panels.

The main challenge faced was due to the large number of different panels. Each panel was attached to a steel frame and had to be fixed back to the main supporting structure, which was already in place.

To give the appearance of natural sandstone GB Architectural used a face mix containing pigments, and achieved the sandstone texture by sand-blasting the surface.

With fine attention to detail GB Architectural completed this project on time, on budget, and in compliance with the strict specification. Together with Chapman Taylor they have created an important reference for architectural GRC in the UK.

PROJECT INFORMATION

Trinity Leeds is the largest shopping mall in the UK, covering more than 1 million ft², and expected to attract more than 23 million visitors per year.

Contributors	Architect	Chapman Taylor
	Consultant/Contractor	Laing O'Rourke
	GRC Producer	GB Architectural Cladding Products
	Project Owner	Land Securities
Project	Location	Leeds, United Kingdom
	GRC Type	Sprayed GRC panels
	GRC Volume	3,700m ²
	GRC Finish	Pigmented and sand blasted
	Mould Type	Timber & FRP
	Completion Date	May 2013
Materials	AR Glass Fiber	Cem-FIL® 54 Roving

cem-fil@owenscorning.com
www.cem-fil.com

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