



Glasgow Forte Car Park

Glasgow, United Kingdom



Project

Glasgow Forte is one of Scotland's top shopping destinations. The centre is currently undergoing a major programme of development as part of a £45 million investment from owners British Land.

This includes a new, 600-space car park, boosting parking at the retail site by 25 per cent.

Sherwin-Williams was called on by the design team and fabricator to provide both corrosion protection and fire protection systems for use on the structural steel as part of the car park development.

Substrate: Steel.

Requirements: Up to 20 years' corrosion protection in a C3 or C4 environment (car park), with 60 minutes' fire protection (stairwells, retail units).

Specification: Macropoxy™ C400V3 primer and Acrolon™ C137V2 topcoat for corrosion; FIRETEX® FX6000 for fire protection.

Area coated: 8,000 m² (corrosion protection), 4,000 m² (fire protection).

Client: BHC.

Main contractor: McLaughlin and Harvey.

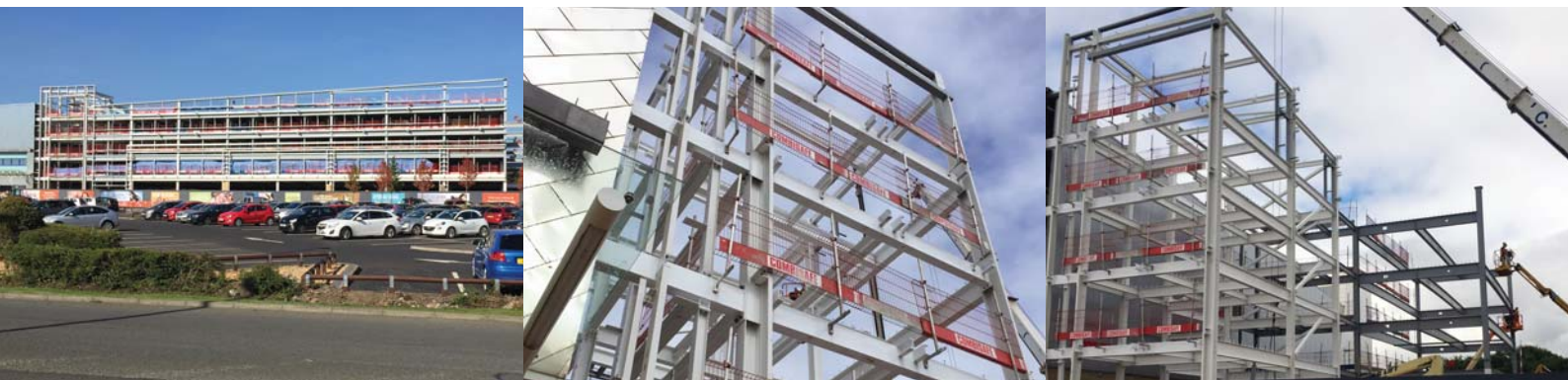
System

The solution for the majority of the car park was required to offer up to 20 years' corrosion protection for the steel structure of the car park, exposed to C3 and C4 environments – medium to high corrosion categories usually featuring pollution or low to moderate salinity.

For stairwells and retail units, used as escape routes in an emergency, up to 60 minutes' fire protection was required. Sherwin-Williams specified Macropoxy™ C400V3 primer for the main car park at 250µm dft with Acrolon™ C137V2 top coat to be applied on-site, offering protection against corrosion.

FIRETEX® FX6000 offers a fast and more durable cure which means less on-site touch up is required. When coatings are applied off-site, generally there is the danger of damage during transportation resulting in small repairs having to be carried out. As FIRETEX® FX6000 is highly durable and robust, damage does not present an issue.

As a result, the stairwell and retail units are FIRETEX® FX6000 at 800µm dft (columns), 1,800µm dft (beams), 6,000µm dft (hollows), with Acrolon™ C137V2 at 100µm dft.



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