

The background of the entire page is a photograph of the V&A Museum in Dundee. The building is a large, modern structure with a facade made of many horizontal, metallic-looking slats. It is situated on a concrete pier in the middle of a body of water. The sky is blue with some light clouds. The water in the foreground is dark and has small ripples.

V&A Museum

Grade 316 (A4) austenitic stainless steel fasteners BS-S-4,8
Victoria & Albert Museum, Dundee

Pushing the envelope on stunning V&A Dundee

Situation

The impressive 8000m² V&A Dundee was designed by globally acclaimed Japanese architects Kengo Kuma & Associates. A total of 2,466 huge cast stone panels, weighing 3000kg each and spanning up to 4m wide, wrap around the museum's façade, a design inspired by the coastal cliffs of the North East of Scotland.

Solution

SFS partnered with Q9 Cladding Solutions to deliver the comprehensive building envelope package, ensuring the visually stunning façade met the architect's aesthetic vision.

As part of the package, SFS also supported membrane manufacturer Sika Sarnafil, to ensure that the innovative design of the warm roofs could be delivered sustainably and to a superior build quality. This is part of SFS's dedication to providing industry-leading support and guidance along the entire supply chain.

SFS supported throughout, carrying out multiple pull-out tests and providing technical backup during the installation phase.

The V&A building's location is in an exposed waterfront position, with an impressive cantilever over the River Tay, and a roof height of 18m. These factors meant that wind load calculations required both the membrane and insulation layers be mechanically fixed.

The exposed saline environment of this site demanded the highest level of corrosion resistance. This necessitated the application of grade 316 (A4) austenitic stainless steel fasteners. These ensure that the life of the fastening system will meet or exceed the life of the roof system and eliminate the risk of premature failure. Being A4, the SFS BS-S-4,8 fasteners are available with a 25 year warranty and have been proven in environmental conditions worldwide.

Project highlights

Client

V&A, Dundee City Council & others

Architect

Kengo Kuma & Associates

Main contractor

BAM Construction

Sub-contractor

Q9 Cladding Solutions

Location

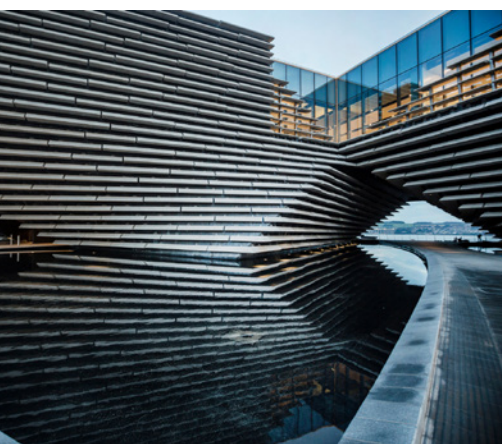
Dundee

Application

Grade 316 (A4) austenitic stainless steel fasteners BS-S-4,8

Project value

£80,000,000



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