Press release

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fischer facade systems secure shopping centre complex in Auckland, New Zealand

Setting the anchor for a new business precinct on the coast

fischerwerke GmbH & Co. KG
Corporate Communications

Klaus-Fischer-Straße 1
72178 Waldachtal

In addition to the city skyline, the new Commercial Bay business precinct is also changing life in the harbour city of Auckland, New Zealand. fischer undercut anchors and substructure solutions provide a permanent secure and concealed facade fastening to the buildings of the new shopping centre in the up-and-coming district by the harbour.

The new shopping centre in downtown Auckland, officially opened in June 2020 after five years of construction, contains space for retail, gastronomy and entertainment over around 18,000 m². The complex is located at the foot of a 39-storey office tower with an area of 39,000 m², which towers above all the other buildings in the vicinity at a height of 180 m. A diversely used space consisting of multiple buildings is sprawled across an area of around 60,000 m².

The progress of the flourishing business precinct is also reflected in its modern architecture. The natural stone facade of the new shopping centre buildings is a key aspect. It was important to the planners that the business precinct fit into its natural surroundings. The materials, shapes and patterns that were used echo the surrounding landscape with its cliffs and headlands of the nearby Waitemata Harbour. The fischer undercut

anchors fittingly provide a concealed and securely fastening of the Jura limestone panels on a façade area of approx. 4,500 m² to the fischer SystemOne (BS) and SystemOne light (BSL) substructures, which provides a harmonious look to the building without any visible fastening points. fischer supplied the project with a total of 27,500 FZP II Zykon panel anchors 13x26 M8/SO/12 AL and 6,250 specialist anchors FZP II 11x12 M6/10 A4 from 2017 onwards, which were all made of stainless steel.

“Those responsible for the façade of the company SCE Stone & Design Ltd. had previously tested several alternatives while searching for the right fastening before ultimately deciding on our solution because it sets the standard for fastenings with undercut anchors and hook systems”, explains Steven-Henrik Maier, Head of Market Management facade systems at the fischer Group of Companies. “Our Zykon panel anchors were convincing due to the fact that they are suitable for heavy loads, particularly easy to use and enable concealed fixings while providing the building with a harmonious look”.

Andrew Parkinson, Managing Director of SCE Stone & Design Ltd. adds: “I was looking for an alternative solution to plug mandrel fixings or bracket solutions in order to be able to implement the planned façade design. The fischer undercut anchors and substructure solutions SystemOne and SystemOne light met the planners' requirements. This façade system also allowed the stone slabs to be 30 mm and 20 mm thick instead of the originally envisaged 40 mm and 30 mm slab thickness - which was additionally economical."

The fischer FZP II provide a form-fit and expansion-free fastening in the conical undercut drill hole. Their reverse-mounted installation enables fastenings in the 1/5 point of the facade panel. With this technology, the undercut anchors achieve

significantly lower slab bending moments and higher load-bearing capacities. This allowed the use of thin yet large-format limestone panels on the façade of the new shopping centre in the Commercial Bay district. Individual panels or even all panels can easily be replaced at a later stage through the use of the SystemOne (BS) and SystemOne light (BSL) hook-on profiles.

Further commissioned façade planners and builders also relied on the expertise of the fischer fastening experts when mounting the interior facade. “The Italian supplier of the travertine panels had recommended our colleagues for the project due to their successful long-term cooperation”, reports Jan Zimmermann, Market Manager facade systems at the fischer Group of Companies. fischer’s subsidiary in Italy was therefore also involved in the project with approximately 10,000 FZP II 15x15 M8i.

The fixings specialist also supported the client throughout all phases of construction. “The technical support we provided ranged from planning and consultation to pull-out tests for the respective indoor and outdoor applications as well as on-site support”, Jan Zimmermann adds.

Image captions:

Image1
A new hub on Auckland's coast: fischer undercut anchors and substructure solutions provide a permanent, secure and concealed facade fastening to the new shopping centre in the up-and-coming district by the harbour.
Image: fischer

Image 2
When fixing the interior façades of the Commercial Bay buildings with travertine panels, the façade planners and builders also relied on the expertise of fixing experts fischer. 10,000 FZP II 15x15 M8i were used here.
Image: The Tile People

Image 3 and 4
10,000 FZP II 15x15 M8i anchor the travertine panels inside the buildings permanently and securely such as invisibly to the outside.
Image: The Tile People

Image 5
The concealed anchoring of the façade slabs enables the harmonious building appearance of the new shopping centre in the burgeoning Commercial Bay business district - without any visible fixing points on the limestone façade.
Image: fischer

The fischer Group of Companies

The fischer Group of Companies, headquartered in Waldachtal in Germany's northern Black Forest, generated sales of 872 million euro in 2020 with a worldwide staff of 5,200 employees. The family-owned company operates 50 subsidiaries in 38 countries and exports to more than 120 countries. It includes the five divisions: fischer fixing systems, fischer Automotive, fischertechnik, fischer Consulting and LNT Automation

fischer fixing systems is the technological market leader in key areas of fixing technology. fischer offers products that deliver technical perfection to a wide range of customers, from do-it-yourselfers to tradespeople to key account partners.

fischer Automotive manufactures high-quality parts for vehicle interiors. The company is highly competent in the plastics processing segment and is an important partner for the automotive industry. Its range of products includes air vents, cup holders, trays and multi-function components.

With its construction kits, fischertechnik is active in both the toymaking and the educational sector. fischertechnik is one of the last remaining toy makers to exclusively develop and produce in Germany.

fischer Consulting evolved from the competence developed in the company itself, which includes the fischer ProcessSystem with its central aim of permanent improvement for the ultimate benefit of the customer. fischer Consulting advises small and medium-sized businesses, government agencies and major companies on their path towards lean and efficient processes.

LNT Automation develops and manufactures custom electronic solutions. The company also develops, produces and distributes custom and capacitive touch systems such as multi-touch solutions made of glass and the corresponding controller units. All electronics are manufactured in-house.

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Contact partner

Katharina Maria Siegel-Rieck
Press Relations Officer fischer fixings
Telephone: +49 7443 12 – 4217
E-mail: Katharinamaria.Siegel-Rieck@fischer.de