

Press release

Waldachtal, April 27, 2020



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fischer facade systems secure the Wijnhavenkwartier

## An homage to The Hague

**With its sand-coloured ceramic facade, the Wijnhavenkwartier residential and office complex seamlessly blends into the skyline of The Hague, the seat of the Dutch government, while adding another important landmark to the city. Subtle yet striking, the structure marks the border of the city limits. Approximately 85,000 FZP II-T undercut anchors by the fixings specialist fischer and ceramic plates made by the tile manufacturer Mosa lie behind the building's high-quality exterior. The corresponding assessment (ETA) provides additional safety.**

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The Wijnhavenkwartier, which was designed by the Geurst & Schulze architecture firm and stands at a height of 50 metres, makes a visual statement in The Hague. Completed in 2016, the complex also provides the city with infrastructural advantages. 170 apartments, penthouses, catering outlets, businesses, offices and a Leiden University facility are housed on a usable floor space of 15,000 m<sup>2</sup> in total. The low-rise building and the lowest level of the multi-storey building are used for commercial purposes.

A load-bearing concrete construction of a former high-rise is all that remains of the former office complex of two ministries from the seventies which has been integrated into the new Wijnhavenkwartier. The rear-ventilated 12,500 m<sup>2</sup> facade is a true show-stopper and was clad in individually pigmented and dyed Royal Mosa ceramic tiles which were custom made and produced for

this project. The custom designed and unique ceramic cladding is one of Mosa's unique selling points in the market. The building's shell is an optical reference to the sand substrate on which the Wijnhavenkwartier is situated in addition to the nearby beach and The Hague, which is known as "the City behind the dunes".

The FZP II-T D40 PA undercut anchors with large washers were specially developed by fischer for ceramic tiles and panels and were used to securely attach the 13-mm cladding material made by the tile manufacturer Mosa in concrete together with a substructure manufactured by Lomax Systems BV. An 11 x 8 M6 variant was chosen for this purpose, while the thread length was adapted to 12 mm. A joint European Technical Assessment was granted for the combination of the Mosa ceramic tiles and fischer undercut anchors (ETA 11/0465 (Mosa Royal Ceramic)).

"Our undercut anchors convinced the client because they combine a secure hold with the facade's distinguished look," reports Detlef Postler, Technical Project Support for the SystemTec subsidiary of the fischer Group of Companies, who jointly oversaw the project. "Using undercut anchors for the installation provides a harmonious look to the facade's exterior by concealing the anchors – a clear advantage compared to the bracket solutions conventionally used for ceramic tiles". This aesthetic benefit combined with the durability and sustainability of the low-maintenance ceramic tiles puts Mosa at a clear advantage compared to other suppliers. "The form-fit and expansion-free installation in the conical undercut drill hole achieves lower panel bending moments in comparison to alternative solutions available on the market", Postler adds. "The anchor can be positioned in the 1/5 point on the reverse side of the tile, providing the fixing with structural optimisation". This allows facades to be planned

and implemented in a more flexible manner while taking full advantage of the technical characteristics of the cladding material.

The fischer Zykon panel anchors combine technical advantages such as a high retention force and optimum long-term behaviour with high-quality design thanks to their rear-mounted installation. Due to a lack of warehouse space, the ease of installing the products made by the construction company Heijmans also proved to be important during the Wijnhavenkwartier project. Facade elements were preassembled by WvH Gevelprojecten before being clad with the tiles. The light weight of the Mosa tiles proved to be a major advantage during this process, which also enabled neat corner solutions and the reutilisation of leftover parts.

fischer also supported the client with a wide range of services throughout all construction phases, from planning and on-site implementation to the project's successful completion. Structural analyses, installation drawings, on-time deliveries and on-site assembly instructions demonstrate that technical support contributes to the timely completion of custom constructions.

## Image captions:

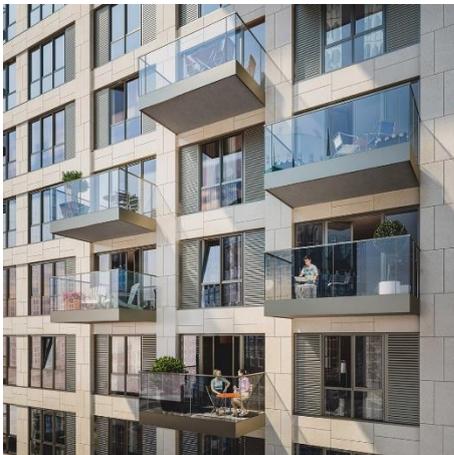
### Image 1



*The Wijnhavenkwartier seamlessly blends into the skyline of The Hague while adding a modern and urban component to the city. The facade provides an impactful first impression and was installed using a system solution consisting of fischer FZP II-T undercut anchors and Mosa ceramic tiles.*

*Image: Copyright Koninklijke Mosa bv*

### Image 2



*The details and woven-look pattern of the Wijnhavenkwartier's ceramic plate facade become visible when viewed up close. Vertical and horizontal lines continue the progression of the indoor pillars and suspended ceilings to the exterior. Each tile is shaded differently. The facade reflects various light conditions depending on the time of day. The concealed fischer Zykon panel anchors support this specialist facade effect.*

*Image: Copyright Koninklijke Mosa bv*

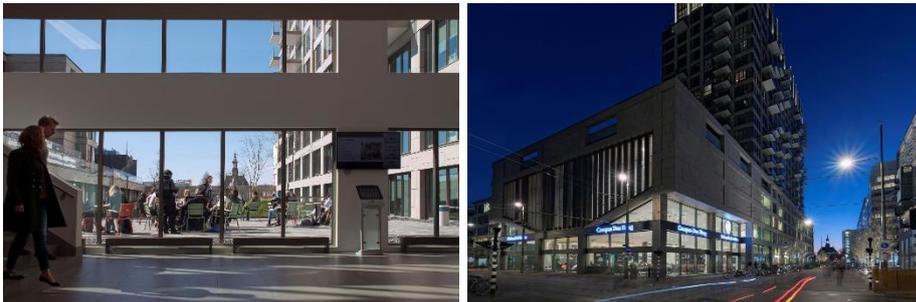
Image 3



*The Wijnhavenkwartier's rear-ventilated facade is truly eye-catching and was clad in individually pigmented and dyed Royal Mosa ceramic tiles which were custom made and produced for this project. fischer FZP II-T D40 PA ceramic undercut anchors were used to securely attach the cladding material in concrete together with a substructure.*

*Image: Copyright Koninklijke Mosa bv*

Images 4 and 5



*The Wijnhavenkwartier is not only a true showstopper, its practical benefits also provide an advantage to The Hague: 170 apartments, penthouses, catering outlets, businesses, offices and a Leiden University facility are housed on a usable floor space of 15,000 m<sup>2</sup> in total.*

*Images: Copyright Koninklijke Mosa bv*

## **The fischer Group of Companies**

The fischer Group of Companies, headquartered in Waldachtal in Germany's northern Black Forest, generated sales of 887 million Euros in 2019 with a worldwide staff of 5,200 employees. The family-owned company operates 49 subsidiaries in 37 countries and exports to more than 100 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 important areas of fixing technology. fischer offers products that deliver technical perfection to a wide range of customers, from do-it-yourselfers to craftspeople to key account partners.

fischer automotive manufactures high-quality parts for car 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 in 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.

[www.fischer.group](http://www.fischer.group)

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