

Case Study

July 2018



Fixscreen®

Renson Fixscreens provide shade for new VW car dealerships



The Toferer VW dealership in Eferding, Austria, is the first car dealership in VW's new corporate architecture to have screen shading. The building is characterised by a large-scale glass façade as a mullion-transom construction and smooth-surfaced anthracite-coloured Renson Fixscreens. This is what many VW car dealerships will look like in the future. With Renson as a system partner, the issue of sun protection will be solved.

Anthracite-coloured screens

According to Porsche Immobilien: "With increasing demands on building energy ratings, the shading of window areas plays an important role. In an unlit state, windows are dark areas. Dark screens therefore offer only minimal deviation from the ideal design. They look modern and are free from disturbing light reflections. That is why they are our current choice."

Slim and functional

Porsche Immobilien works together with Gerhard Schimpl of GS-Plan from St. Johann am Walde on the detailing of façade shading. A few years ago, he already received a request from Porsche Holding for CI-compliant shading using Venetian blinds. However, it was quickly agreed at the time that Venetian blinds were not suitable from a design perspective.

Fixscreen downscales

The request from Gerhard Schimpl matched the Renson Fixscreen 150. The Customised Solutions Department took on the task and developed a special profile for a 60 mm wide mullion-transom façade. With Fixscreen 150, areas up to 22 m² and up to gale force (130 km/h) can be achieved. The core problem with the above-mentioned structure was not the narrow guide rail at the mullion. According to Geert Schoenaers (project engineer Renson): "Our real problem lies in thermal expansion. With an almost 40-metre-wide façade front, we should expect thermal expansion of approximately 40 mm. If all profiles are only slim, where should we install the expansion joints? In such structures, the real art and know-how of Renson comes into play."

Sun protection for the Toferer VW dealership in Eferding, Austria

Project Manager: Adolf Toferer GmbH & Co KG
 Architect: Bernhard Erlinger, Porsche Holding
 Façade Designer: Gerhard Schimpl, GS-PLAN GmbH
 Installer: Josef Wick & Söhne GmbH & Co KG Wick GmbH
 Façade Builder: Baumann Glass 1886 GmbH
 Product Supplier: Renson Sunprotection NV



The Toferer VW dealership is the first to have Renson Fixscreens



Dark screens offer only minimal deviation from the ideal design



Renson developed a special profile for a 60 mm wide mullion-transom façade

RENSON® reserves the right to make technical changes to the products discussed below. RENSON® meets the requirements for EPB (Energy Performance of Buildings) certification. You can download the most recent brochures from www.renson.eu



RENSON® HQ
 IZ 2 Vijverdam • Maalbeekstraat 10 • B-8790 Waregem
 Tel. +32 (0)56 62 71 11 • Fax +32 (0)56 60 28 51
info@renson.eu • www.renson.eu

