



monovolume architecture+design

Durst Phototechnik Headquarters Durable Environmentally Friendly Materials Brixen, Italy

The monovolume architecture+design practice designed the new headquarters for Durst Phototechnik, which is a company based in Brixen, in the South Tyrol area of northern Italy, specializing in printing systems and the digitization of industrial production processes. The heart of the new design is a lightweight concrete structure that flows into a 35-m high tower clad in powder-coated aluminum panels and dotted with 850 windows lit by LED lights. The design choice for this new building, which is actually an extension to the original structure, lay

in the desire to create a pixel effect as an allusion to digital printing, the company's core business. In planning this project, the architects and the companies involved sought not only to achieve a sense of refined essentiality of space, but also to use environmentally friendly materials that would last particularly well over time. As such, in creating the interiors, Mapei's Technical Assistance office recommended the Ultratop Loft system, colored with Ultratop Color Paste, to produce contemporary linear concrete flooring and cladding.

The ceramic tiles used for the entrance floor, the offices and the bathrooms were laid using Keraflex Maxi S1 Zero, which is the first cementitious adhesive in which the residual greenhouse gas emissions are offset annually by purchasing environmental credits. In practical terms, offsetting the 2019 emissions involved purchasing environmental credits to help with the expansion of the metro-rail service in Delhi, India. By extending this mass rapid transit system, the city of Delhi, with 19 million inhabitants, will be able to significantly reduce emissions from vehicle traffic. The use of this adhesive was also ideal in a project that emphasized environmental sustainability and user comfort since it has received Ecodec EC1^{PLUS} certification from the German GEV association because of the very low levels of volatile organic compound (VOC) emissions.

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