

Brixen (Italy)

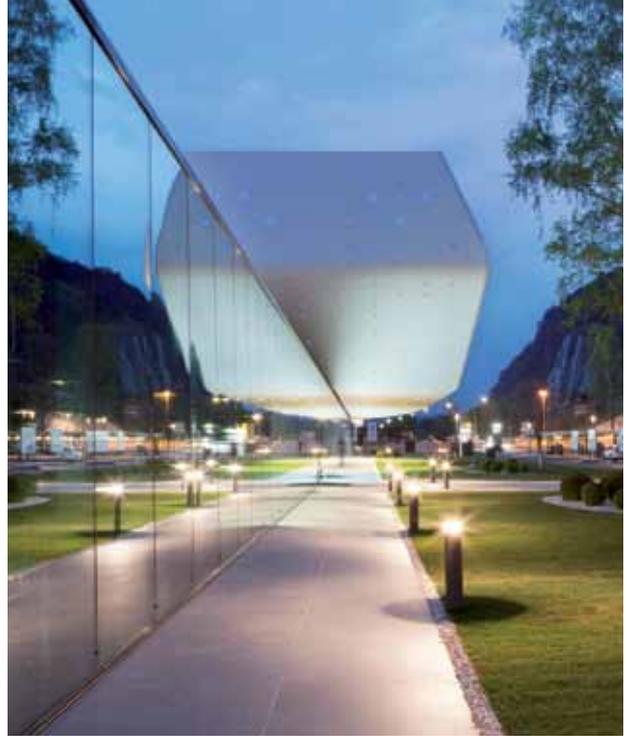
THE NEW HEADQUARTERS OF DURST PHOTOTECHNIK

THE COMPANY'S NEW HEADQUARTERS IS DOMINATED BY A TOWER WITH A PIXELATED FAÇADE: A REMINDER OF DIGITAL PHOTOGRAPHY AND PRINTING TECHNOLOGY



IN THESE PAGES

The Durst headquarters extension is a two-storey construction with a glass and steel façade with an elongated and compact form, which extends and then rises to form a 35 m tower in lightweight concrete.



Located in Brixen (Northern Italy), Durst Phototechnik produces inkjet printing systems for industrial applications and operates in the sector of transformation and digitalisation of industrial production processes. Two years ago, the South Tyrolean company decided to commission a new headquarters and instructed the design team from the Monovolume design studio to integrate the architectural and functional features of a new wing with the original headquarters designed in 1963 by the architect Othmar Barth.

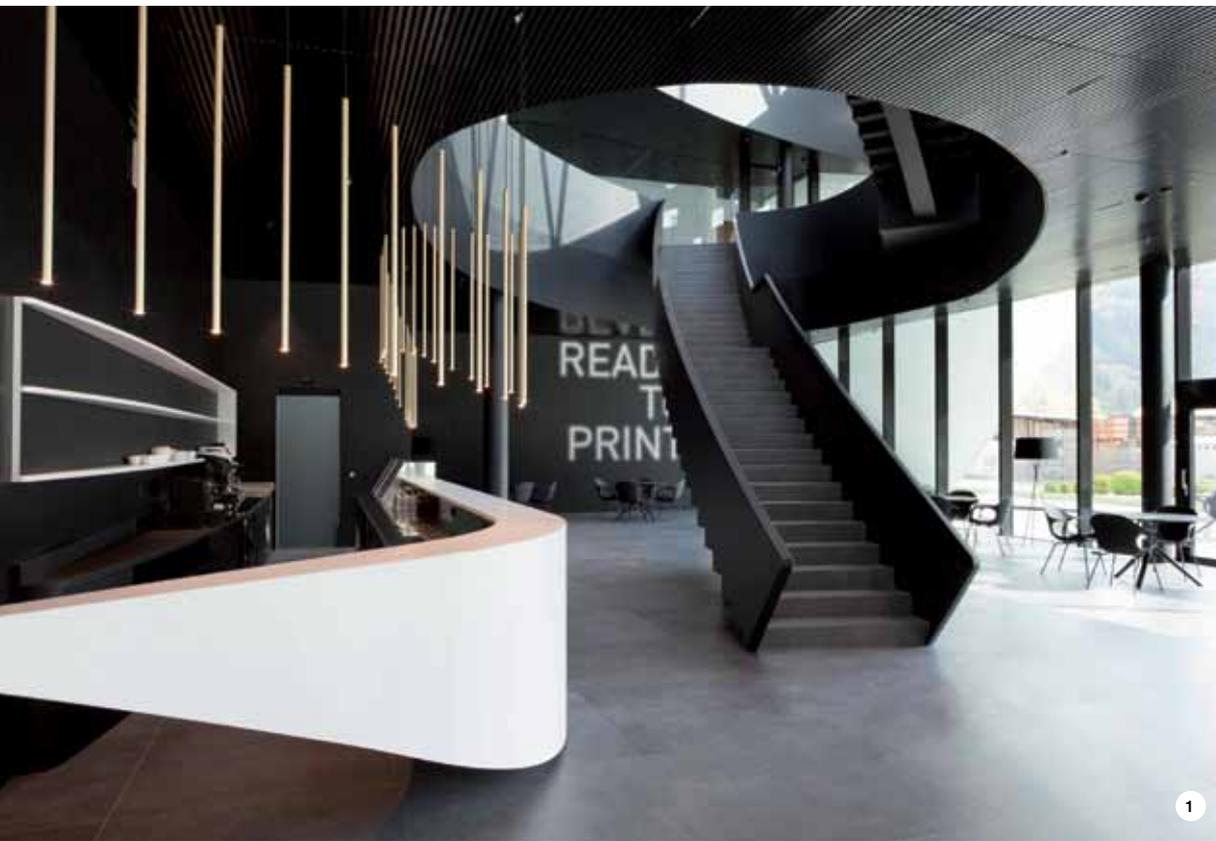
The Durst headquarters extension is a two-storey construction with a glass and steel façade with an elongated and compact form, which extends and then rises to form a 5-storey tower in lightweight concrete (height 35 metres). Inspiration for the tower came from Othmar Barth's original design who, more than 50 years ago, had envisaged completing Durst headquarters in this style.

The façade of the tower is covered with powder-coated aluminium panels with 850 tiny windows. LED lights have been installed along the window jambs to create a pixelated surface that reflects the company's core business: digital photography and printing.

The ground floor is an open-plan space with a foyer, bar, service centres, laboratories, a showroom and the Innovation Centre. From the atrium of the building, a stairway leads to the first and second floors where there are offices of various sizes in a flexible design, with spaces for informal meetings, a small kitchen and a relaxation area overlooking a hanging garden between the new building and the original headquarters, which are connected by means of a footbridge. The third and fourth floors of the tower are used for the executive offices while the fifth floor is used for events. The wellbeing of employees is important to the company and the building includes a gymnasium with its own changing rooms and bathrooms.

RESIN FLOORS AND CERAMIC COVERINGS

The designers opted for an essential, "clean" style, a choice that was then maintained when choosing the materials to decorate the offices. The client and the designers also decided to go for high quality products with eco-sustainable character-



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PHOTO 1. The entrance hall of the building and the staircase connecting the floors. KERAFLEX MAXI S1 ZERO was used to bond ceramic tiles on the floors.

PHOTO 2. In the offices wood-effect ceramic tiles were installed with KERAFLEX MAXI S1 ZERO. The textile floors were bonded with ULTRABOND TX57.

PHOTO 3. In the offices and meeting spaces the floors coated with ULTRATOP LOFT F were protected with MAPEFLOOR FINISH 58 W.

PHOTO 3. In the bathrooms KERAFLEX MAXI S1 ZERO was used to bond the ceramic tiles.

istics that would maintain their durability over the years. Basing their work on the mandate outlined by the project, Mapei Technical Services proposed using the ULTRATOP SYSTEM, a range of products used to create low-thickness, self-leveling cementitious flooring resistant to abrasion and with a particularly attractive finish for civil and industrial surroundings.

The first step was to treat the sand and cement screed (500 m²) with PRIMER SN two-component, solvent-free epoxy resin-based primer. After applying the primer, it was broadcast with QUARTZ 0.5 quartz sand. Once the primer had hardened, any excess quartz sand was vacuumed off and the surface was sanded, cleaned, treated with a second coat of PRIMER SN and then broadcast again with QUARTZ 0.5. After removing any excess sand, the surface was sanded and cleaned again.

The application of the coating could then commence, starting with the first layer of ULTRATOP LOFT F one-component, coarse-textured, trowellable cementitious paste, which is applied with a flat metal trowel. This product is used to create flooring with a decorative, marbled-effect finish resistant to abrasion and subjected to intense pedestrian use. This product's particular consistency, the reduced thickness of the layer applied (2-2.5 mm) and the possibility of combining various colours, gives designers the chance to express their creativity to the full when creating floor and wall coatings. The product was mixed with ULTRATOP COLOR PASTE pigment. Once the surface had dried, it was sanded with fine sandpaper to give it a smooth finish and to level off any areas where too much product had been applied.

The next step was to apply PRIMER LT one-component, acrylic adhesion promoter diluted 1:1 with water, followed



IN THE SPOTLIGHT ULTRATOP LOFT F

One-component, trowellable, coarse-textured cementitious paste applied in layers up to 2 mm thick to create decorative floors with a trowelled or mottled effect finish. Thanks to its ease of use, versatility and resistance to abrasion, this formulate is ideal for creating floors subjected to intense pedestrian traffic in areas such as bars, shops, restaurants, hotel lobbies, private homes, cafes, hotels and showrooms.



by a second layer of ULTRATOP LOFT F again mixed with ULTRATOP COLOR PASTE.

The surface was sanded down again, and the surface was protected with a coat of roller-applied ULTRATOP BASE COAT, a one-component acrylic formulate that is used as a base coat to even out absorption. The surface was then treated with two coats of MAPEFLOOR FINISH 58 W, a two-component, aliphatic, transparent, or coloured, matt polyurethane finish, which improves the resistance of surfaces to abrasion without altering their colour, as was requested by the client.

In the bathrooms, offices and entrance hall the ceramic tiles were installed with KERAFLEX MAXI S1 ZERO, a deformable cementitious adhesive with extended open time and no vertical slip and very low emission of volatile organic compounds. The tile joints were grouted with KERAPOXY CQ, an epoxy-based grout that guarantees high resistance to chemicals, while the expansion joints were sealed with MAPEFOAM closed cell polyethylene foam cord and MAPESIL AC elastic sealant.



Ceramic tiles were installed in several areas by Hofer Fliesen & Böden Srl

TECHNICAL DATA

Durst Phototechnik, Brixen (Italy)

Original design: Othmar Barth

Period of construction: 2018-2019

Period of the intervention: 2019

Intervention by Mapei: supplying materials for building cementitious floors and installing

ceramic tiles

Design: Studio Monovolume, Patrik Pedó

Client: Durst Phototechnik SpA
Installation company: Hofer Fliesen & Böden Srl

Mapei coordinators: Roberto Bonanomi and Alberto Castagnoli (Mapei SpA), Susanna Sas

Photos: Paolo Riolzi

MAPEI PRODUCTS

Installing and grouting ceramic tiles: Mapefoam, Keraflex Maxi S1 Zero, Kerapoxy Cleaner, Kerapoxy CQ

Sealing expansion joints:

Mapesil AC, Mapefoam
Preparing the substrates: Primer SN, Primer LT, Quartz 0.5

Cementitious floors:

Mapecolor Paste, Mapefloor I 910, Mapefloor Finish 58 W, Mapefloor I 910, Mapefloor I 300-SL, Ultratop Loft F, Ultratop Base Coat, Ultratop Color Paste
Installing textile floors: Ultrabond TX57

For further information on products visit mapei.com