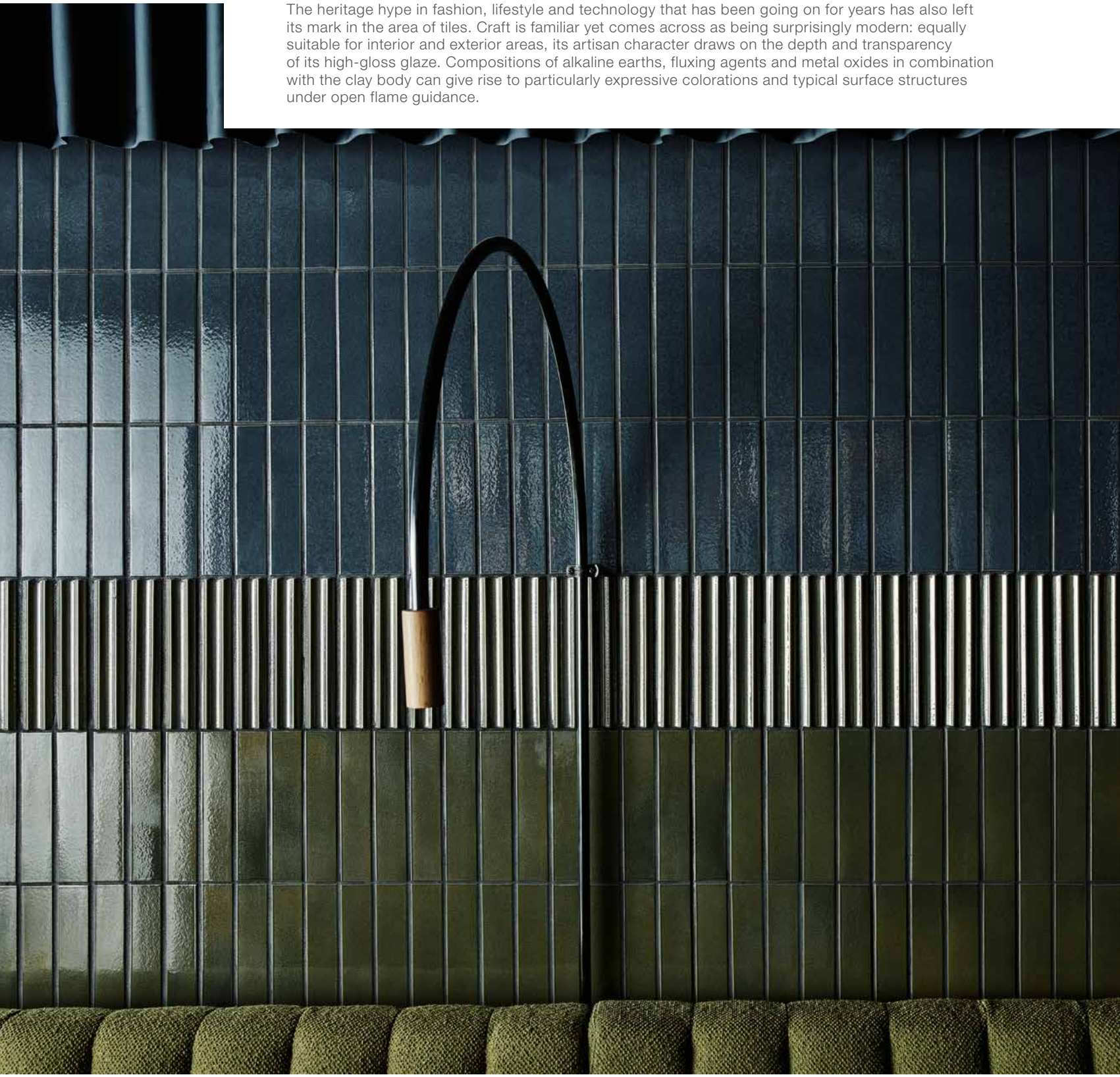
CRAFT

Ceramic with character

CRAFT – INSPIRING AND MODERN

The heritage hype in fashion, lifestyle and technology that has been going on for years has also left its mark in the area of tiles. Craft is familiar yet comes across as being surprisingly modern: equally suitable for interior and exterior areas, its artisan character draws on the depth and transparency of its high-gloss glaze. Compositions of alkaline earths, fluxing agents and metal oxides in combination with the clay body can give rise to particularly expressive colorations and typical surface structures under open flame guidance.



Natural raw materials – extracted from the earth

Guterborn clay pit, Westerwald. A bizarre landscape comprising multicolored layers of earth marks the shape of the clay deposit, grown over geological periods of time under the mantle of a thick layer of basalt. As a raw material, clay is recovered from the primeval mantle of volcanic rock. Over millions of years, heat and frost, wind and earth movement have wrested mud components from the rock. Under the electron microscope, they reveal their own structural composition as a multi-layered mineral – a prerequisite for the unique characteristics of clay: “plasticity”. The men who use heavy equipment to extract the clay from the pit do not need any testing equipment to distinguish between the different types of clay within the site.

They can already tell during the extraction process whether the clay in a particular place is particularly “fat”, i.e. whether it is plastic. In fact, even a layman can tell if it contains iron oxides by its typical red color. These oxides later play a decisive role in kiln firing.

Sustainability

The products from our-fast firing kiln are setting benchmarks in terms of sustainability – without compromising on quality and design.

Thanks to continuous optimisation of our processes, we have been able to increase the recycled proportion from our internal cycle to 30%, thus actively contributing to conserving resources. Production is done along an energy-efficient belt through the fast-firing kiln (approx. 60-90 min.), significantly reducing energy consumption.

Pure material

Our material is based on special mixtures of clay, quartz and feldspar that contain iron oxide.The base materials, which is plastic in its raw form, is prepared in special recipes and compressed under high pressure. During firing, the material sinters to form an extremely hard, resistant body with a unique surface finish. Manufactured exclusively from natural raw materials, completely recyclable, durable, heat-retaining and kind to the skin, architectural ceramics offer applications in all fields of architecture.

SPACE FOR DETAILS

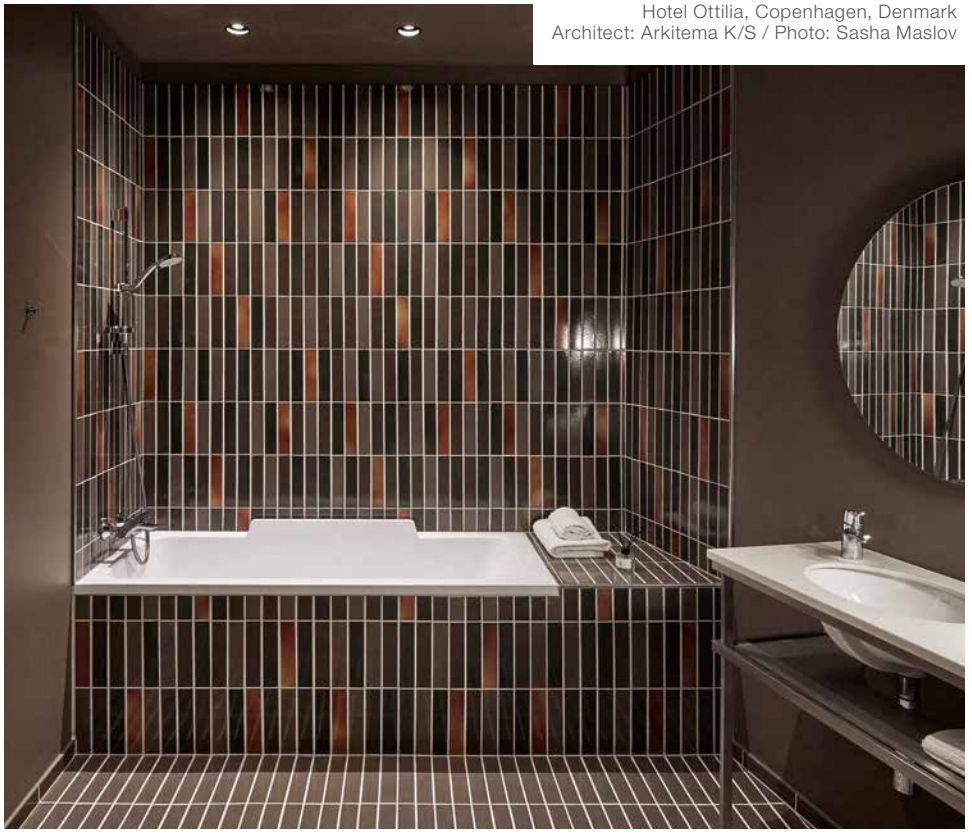
Colors ranging from white to grey tones, olive and golden yellow to amber and blue-green make for freedom of design and exceptional aesthetics. The strip tile formats with a 3D effect are particularly charming.

Private apartment Roseaux, Braine-L'Alleud, Belgium
Architect: Interior Design Studio Maxime de Campenaere
Photo: Maxime de Campenaere

Bar Bardem, Helsinki, Finland
Architect: Fyra Ltd / Photo: Riikka Kantinkoski

OCTAVE Restaurant, Antwerp, Belgium
Architect: real.space agency / Photo: Marcel van der Burg

Hotel Ottilia, Copenhagen, Denmark
Architect: Arkitema K/S / Photo: Sasha Maslov



CECIL shop in “Centro” shopping centre, Oberhausen, Germany
Architect: L3P Architekten Studio Joanna Laajisto / Photo: Mikko Ryhänen

PRODUCT OVERVIEW CRAFT

Plain colors

pure white


white


mid-grey


dark grey


jade green


beryl red


benit blue


hematite black

Flamed colors


olive-green flamed

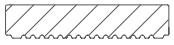

gold-yellow flamed


amber flamed


blue-green flamed

Formats and cross-sections


Strip tile
6.2 x 25 x 1.1 cm




Strip tile, wave profile
6.2 x 25 x 1.6/1.1 cm


Strip tile, grooved profile
6.2 x 25 x 1.1 cm

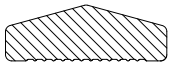

Strip tile, V-pointed profile
6.2 x 25 x 1.8/1.1 cm


Dual-tipped tile
12.5 x 25 x 2.0/1.1 cm


Drip edge cover
31 x 30 x 1.5 cm


Long strip tile,
6.2 x 50 x 1.1 cm

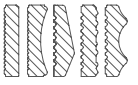

Long V-pointed strip tile, symmetrical,
6.2 x 50 x 1.8/1.1 cm



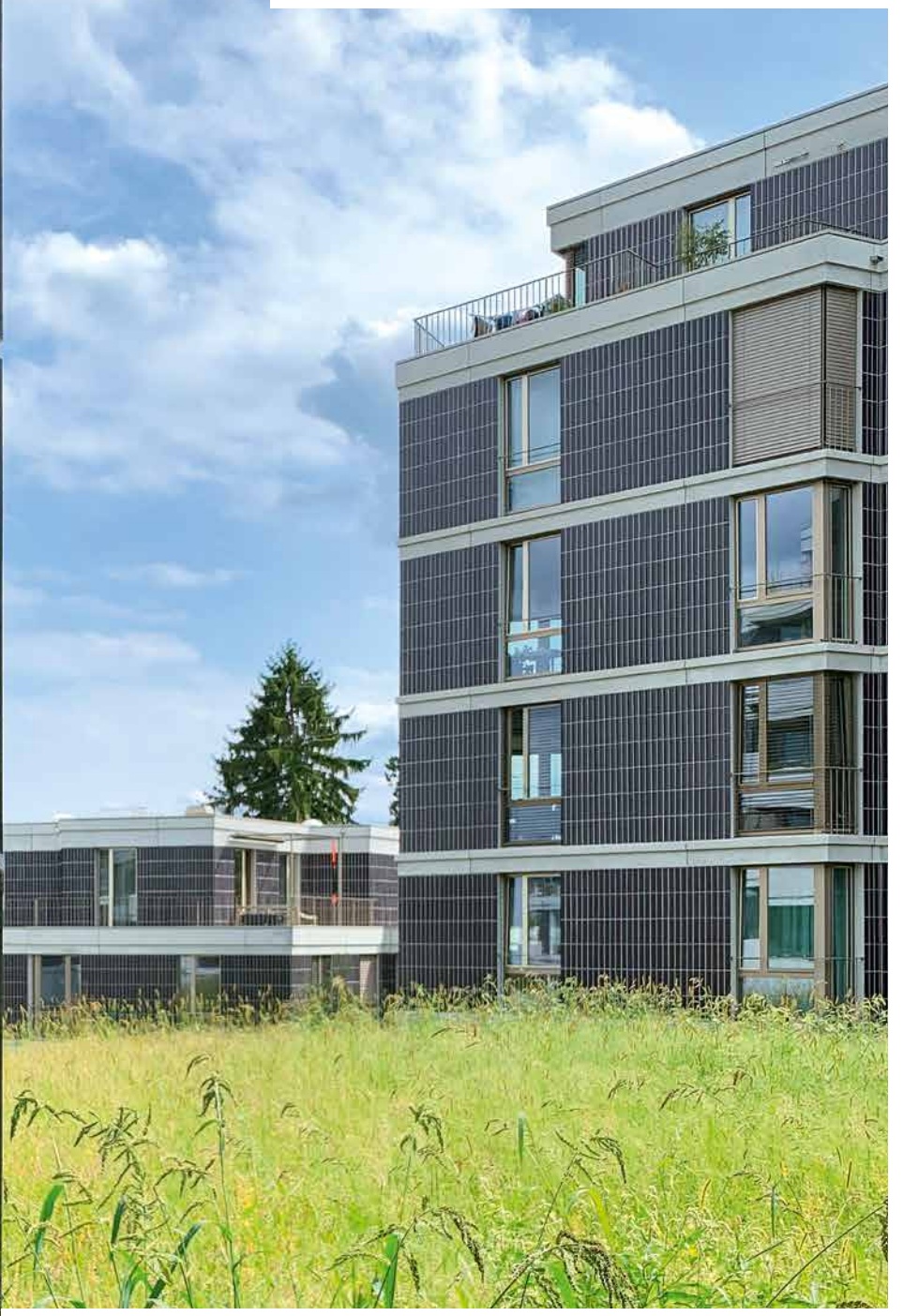
More information: agrob-buchtal.de/en

hytect® clever clean


Available in other colors on request.


Available in other cross-sections on request.

Bellaria residential district, Zurich-Wollishofen, Switzerland
Architect: Michael Meier und Marius Hug Architekten AG
Photo: Adriano Faragulo



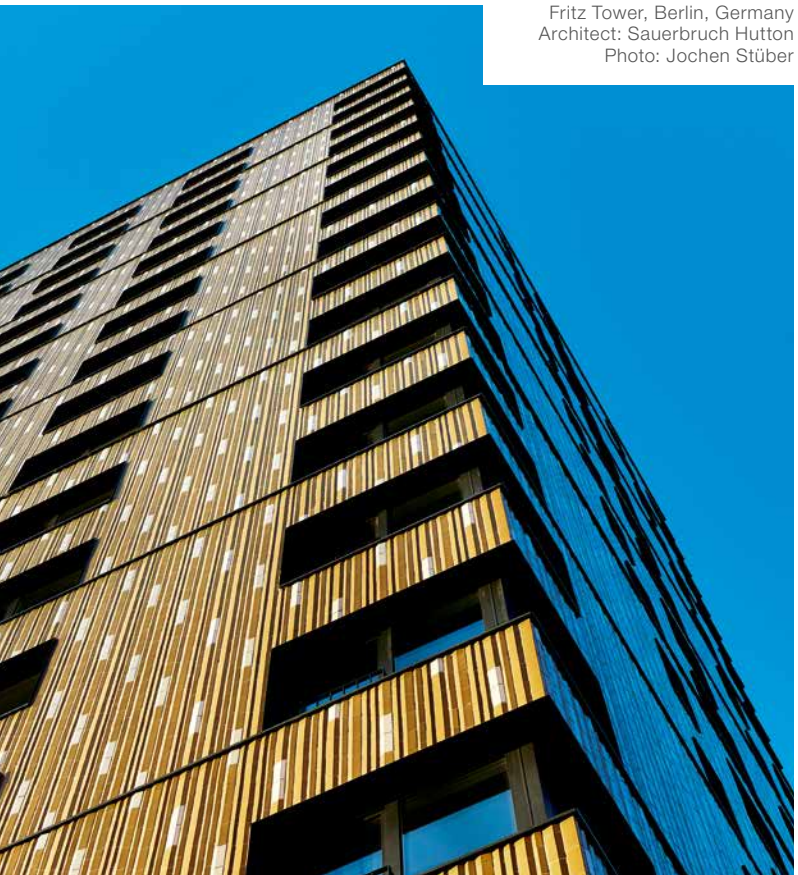
INSPIRED BY FACADE TRENDS

It just has to be Craft when artisan charm and a deep glossy glaze are called for. Flexible non-standard production options and longer formats enhance the strong appearance of the range. Inspired by the idea that architecture, as the building block of our towns and cities, is capable of reflecting an individual sense of life and generating a quality of experience, Craft now provides new design opportunities for innovative facade design with up to 50 cm formats.

Leopold multi-family home, Sursee, Switzerland
Architect: GKS Architekten Generalplaner AG / Photo: Adriano Faragulo

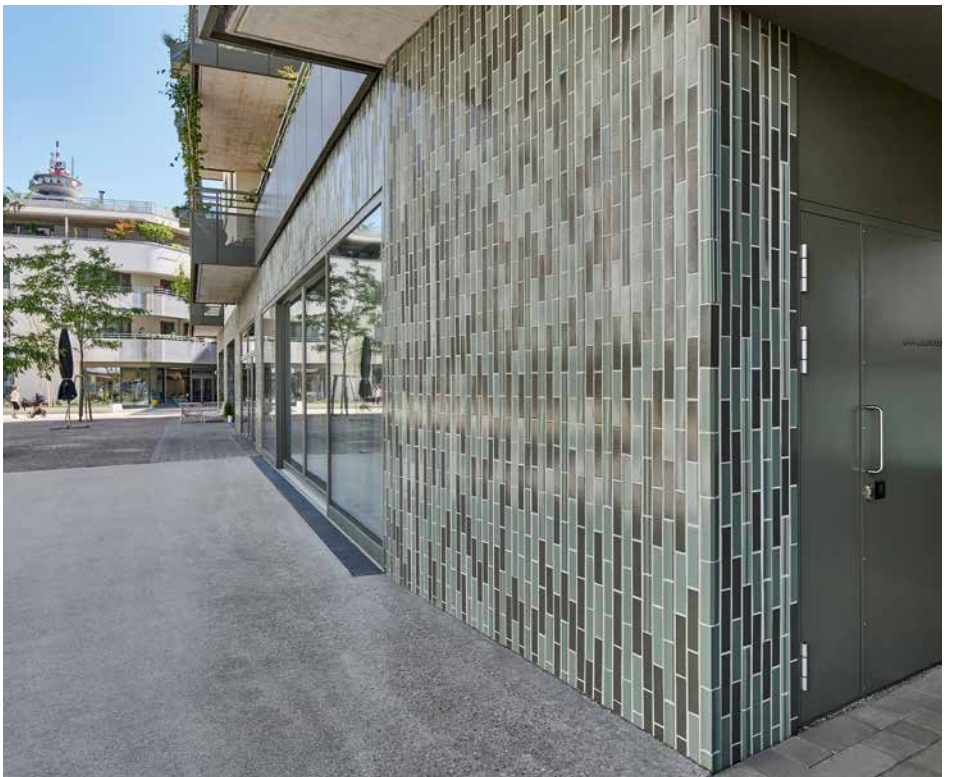
MULTIFACETED CERAMIC FACADE

The wave profile and the large dual-tipped tile are mainly used for facade design and take into account the renaissance of classic building ceramics, which can currently be observed in many European countries.

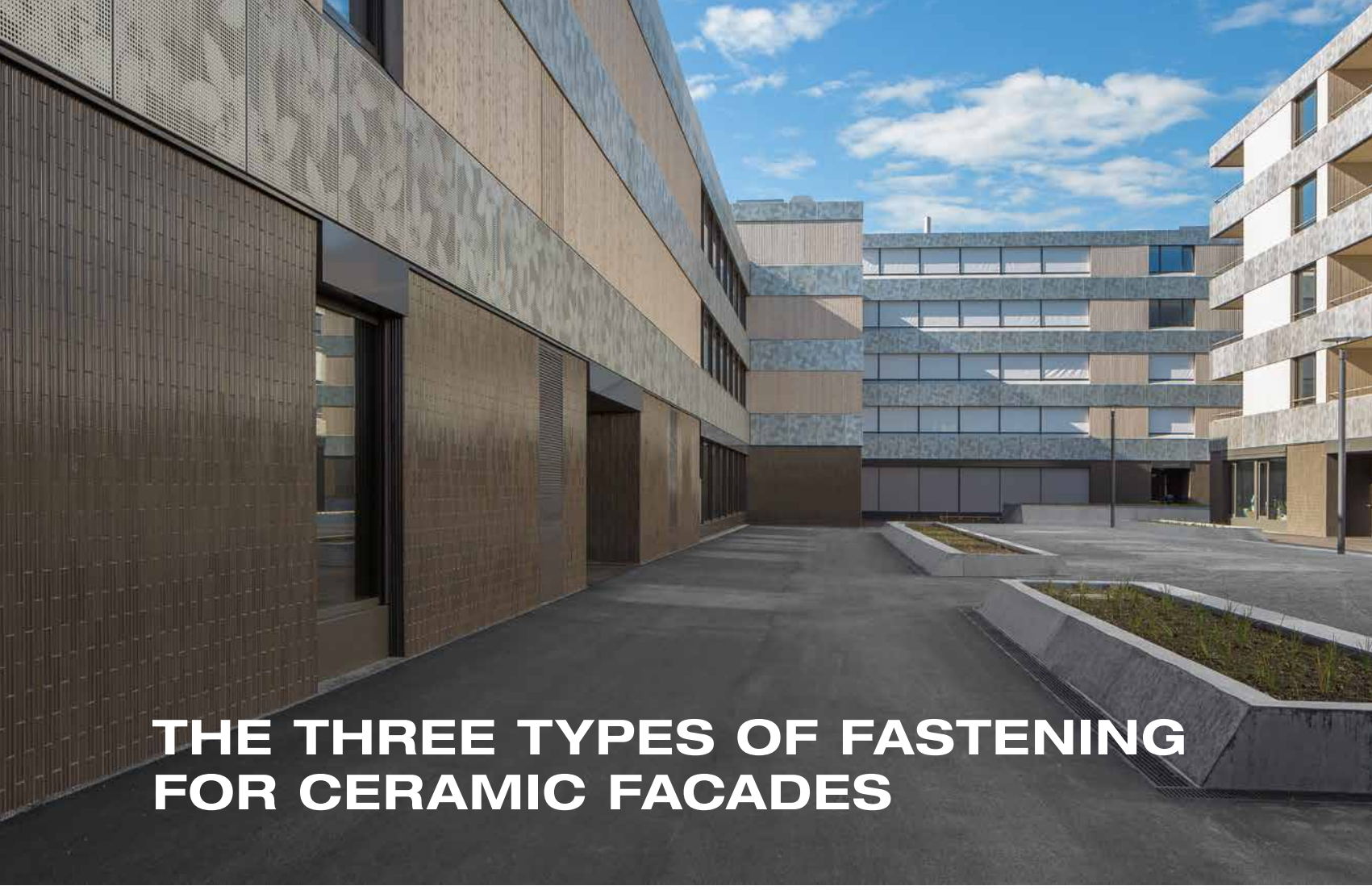


Fritz Tower, Berlin, Germany
Architect: Sauerbruch Hutton
Photo: Jochen Stüber

Grätzelmixer, Vienna, Austria
Architects: KABE Architekten ZT-GmbH
Photo: Fotodesign Peters, Amerang



Vivendra Foundation, Dielsdorf, Switzerland
Architects: L3P Architekten ETH FH SIA
Photo: Adriano Faragulo



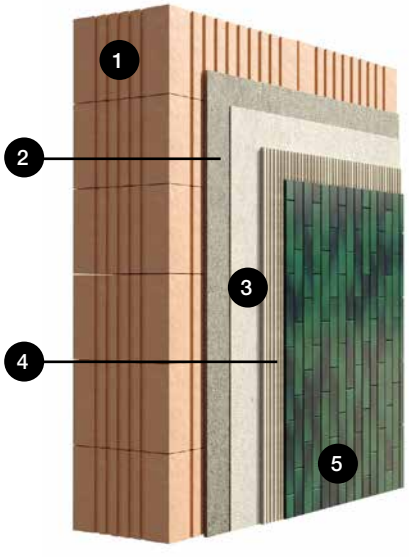
THE THREE TYPES OF FASTENING FOR CERAMIC FACADES

Ceramic facade – conventional installation

The outer wall cladding provides protection against the weather and other effects from the atmosphere as well as against mechanical stresses, and serves as a design element.

System configuration

The mortared external wall cladding is a construction comprising tiles or slabs, their setting mortar and pointing. The laying surface (setting surface) consists of a flat, rigid surface on which the tiles or slabs are processed. The requirements for the laying substrate, the covering material, the fixing materials and execution are regulated in the DIN 18515-1 standard.



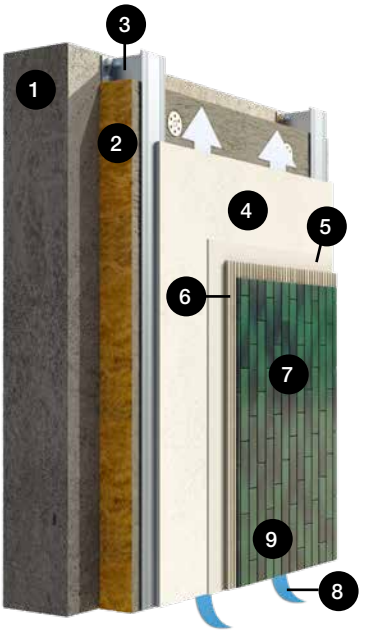
1. Load-bearing substrate
2. Cement levelling
3. Plaster reinforcement
4. Thin-bed mortar certified to DIN EN 12004
5. Ceramic certified to DIN EN 14411

VHF – Curtain-type, rear-ventilated facade with ceramic covering on support panels

Aesthetics, feasibility and sustainability: the continued success of curtain-type, rear-ventilated facades (VHF) made of ceramic is based on a combination of these three factors. Decisive for the technical superiority of VHF systems is the constructive separation of the functions of thermal insulation and weather protection.

System: design and function

Thanks to the air layer that lies between the outer facade cladding (ceramic), which protects against snow and rain, and the insulation (usually mineral wool, VHF systems improve sound insulation and the indoor climate, save heating costs, and conserve natural resources. The processing of this system must be carried out in accordance with the applicable proof of usability (e.g. general building authority approval).



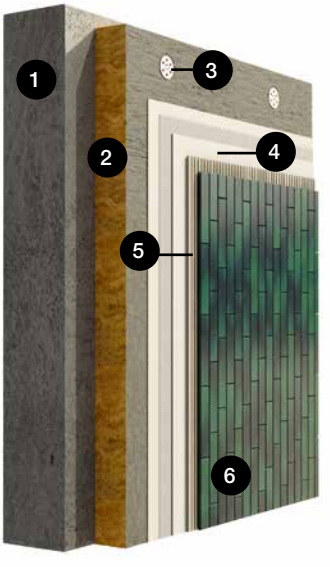
1. Foundation wall
2. Insulation
3. Substructure
4. Support panel
5. Fabric / Rubber layer
6. Thin-bed adhesive
7. Ceramic covering material
8. Rear ventilation > 2 cm
9. Ceramic covering material

TICS – External thermal insulation composite system with ceramic covering

Energy-saving, weather-resistant and permanently attractive: ceramic external Thermal Insulation Composite Systems (TICS) fulfil all requirements for a perfect building shell. Ceramic coverings are not only durable and color-fast; the large selection of formats, surfaces and colors also offers enormous design possibilities. Custom-made products, a strength of Agrob Buchtal, provide scope for additional freedom, as the reference objects on this website show.

System configuration

The thermal insulation composite system consists of insulation boards that are dowelled and glued to the substrate. On top of this, a ceramic covering is bonded to a sub-plaster reinforced with textile glass mesh. Processing of this system must be carried out in accordance with the respective valid proof of usability (e.g. general building authority approval).



1. Foundation wall
2. Panel
3. Dowels
4. Composite mortar with reinforcing fabric
5. Thin-bed adhesive
6. Ceramic covering material

More information available here:
agrob-buchtal.de/en

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