

TONALITY® – Pure aesthetics for unique facades.



TONALITY® – Certified quality.

High quality, frost resistance and durability have been inherent characteristics of TONALITY facade tiles for decades. These high quality facade tiles stand out due to their unique colours, range of surfaces, highly attractive joint design and practical installation-friendly technology. In both new build and refurbishment projects, the ventilated facade with TONALITY facade tiles has proven to be a reliable facade system with outstanding physical properties.

Certified quality. TONALITY facade tiles are certified by the German Institute Construction and Environment e.V. (IBU - Institut Bauen und Umwelt e.V.) with an environmental product declaration (EPD) in accordance with ISO 14025 and EN 15804.



Raw materials of outstanding quality combined with a special preparation provide the basis for a high quality tile body. With the „KERALIS“ processing method, CREATON offers an innovative technology that makes the TONALITY facade tile unbeatable in three respects: Strength, durability and cost-effectiveness.

1. „KERALIS“



„HIGH FIRING FACTOR“

The innovative sinter firing process – the CREATON „HIGH FIRING FACTOR“ – reaches temperatures over 1,200°C and ensures a refined finish, maximum strength and precision.



Graffiti protection

An additional benefit of the state-of-the-art CREATON „KERALIS“ process: The high temperature of the firing process (over 1,200°C) provides lasting integrated graffiti protection for the lifetime of the product, without any need for renewal.



Protection from environmental influences

The dense surface characteristics offer excellent protection against moss formation and soiling. Excellent resistance to environmental effects and the weather is a very special characteristic that ensures the tile retains its attractiveness for a long time.



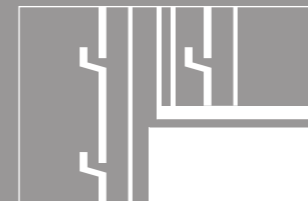
High strength

The tile body is very strong which means that even single layer tiles can be used in large formats. In addition to the standard sizes (150 x 300 mm to 400 x 1,600 mm), many additional formats are available upon request.



2. Fast, easy installation

Installation is fast and easy – the tiles are simply hung and no clips are required. The simple TONALITY installation principle makes it ideal for renovation/refurbishment projects. In case of damage the tiles can easily be replaced. Integrated disassembly protection is available as an option.



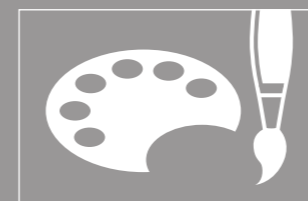
3. Patented system technology, recognised worldwide

High quality aluminium alloys, perfectly designed details and the „KERALIS“ process distinguish TONALITY worldwide as a unique, efficient system. It is exceptionally safe, even in extreme situations, as demonstrated by international earthquake tests. At the same time, the simplicity of the system is impressive: almost all requirements of a facade can be satisfied using only two different profiles.



4. Low dead weight

A further property can reduce costs significantly: a low dead weight of only 28-35 kg/m², combined with high strength, means that the primary substructure can be significantly reduced during installation.



5. Large range of colours

Colour provides a means of expression, enhances aesthetics and also provides protection. Diverse and refined, TONALITY comes in over 50 standard hues with interesting surfaces. Custom colours and surfaces combined with attractive joint designs are available upon request.

Ventilated facade – a proven system with many advantages.



The ventilated facade provides outstanding design freedom and functional reliability. A range of joint patterns, surfaces and colours provides many different ways in which to tailor the design of the facade to the specific requirements of the building.

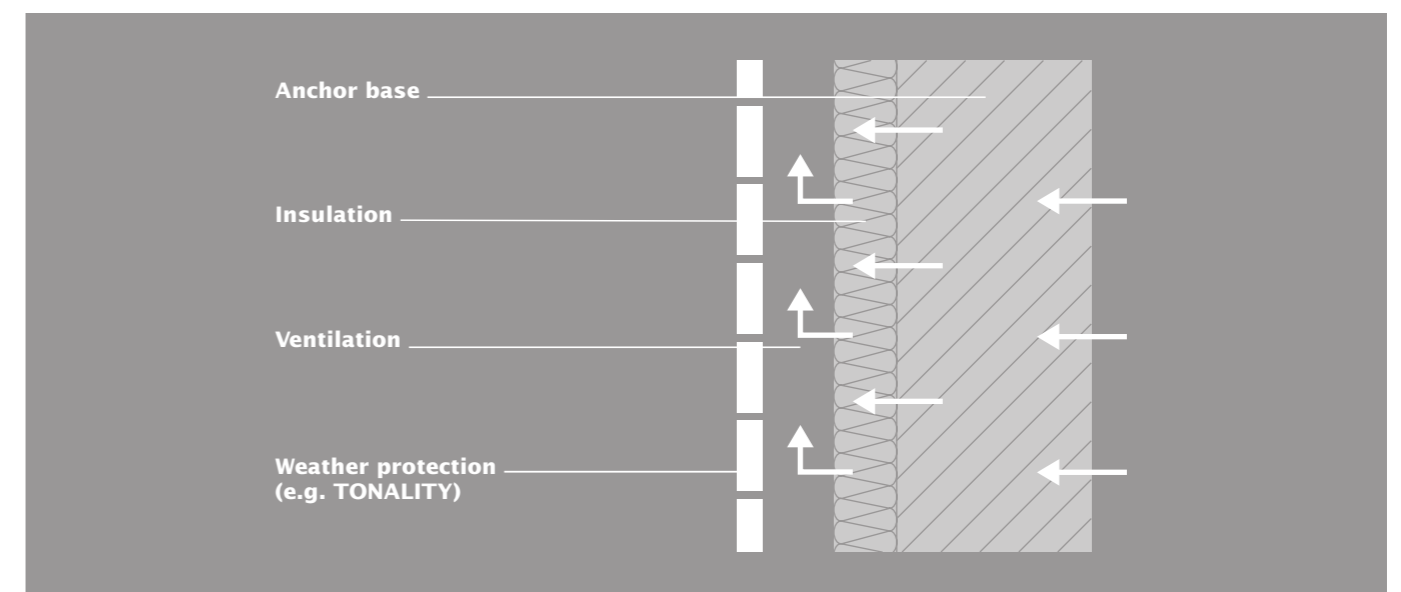
Furthermore, the physical separation of thermal insulation and weather protection makes the ventilated facade a robust and durable system. The ventilation facilitates air circulation which is a reliable method of ensuring building and occupancy moisture are removed. This keeps the insulation and structure dry at all times. In addition, care and maintenance efforts are extremely low.

All energy-saving requirements can be satisfied by using ventilated facade systems. The system can accommodate any required insulation thickness, which means that every insulation standard from low-energy house to plus-energy house can be implemented. Consequently, the ventilated facade offers excellent protection from the cold in winter as well as from the heat in summer.

Installation regardless of weather conditions and the option of completely disassembling the system into its individual components during dismantling are additional benefits.



Ventilated facade design principle



Outstanding design flexibility – formats and surfaces.



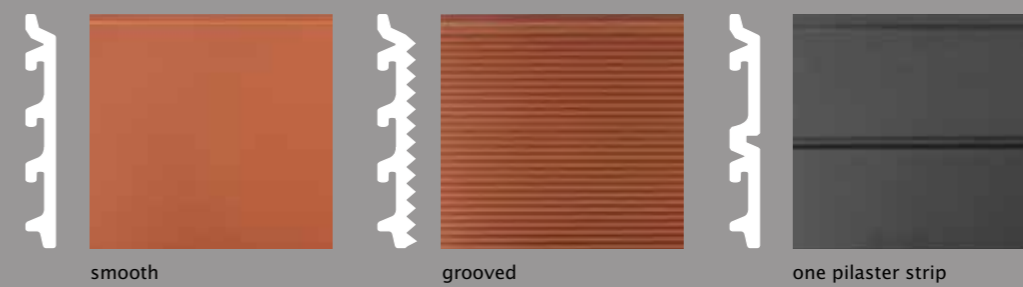
TONALITY offers unique design possibilities for individual facades with standard formats from 150 x 300 mm to 400 x 1,600 mm and a wide choice of surfaces. Further sizes and surfaces are available on request.

Standard formats

Grid height (mm)	Min. grid width (mm)	Max. grid width (mm)
150	300	900
175	300	900
200	300	1,600
225	350	1,600
250	375	1,600
300	450	1,600
400	600	1,600



Standard surfaces



Special surfaces



Outstanding design flexibility – curves and composite grids.

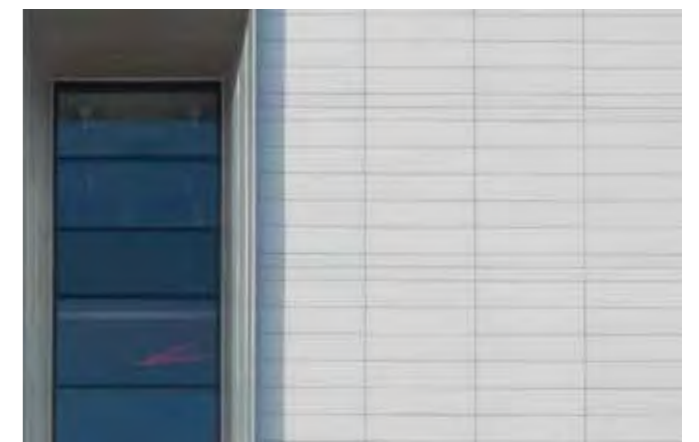


The different TONALITY substructures enable construction of unique facades. The system provides a tailor-made solution, even for exceptional requirements such as curves or designs incorporating facade tiles of different heights. With the adaptive system (ADS), even small radius curves can be built. Composite grids using different tile heights are made possible by the BAS Flex clips of the base clinch rail system (BAS).

Curves



Composite grids



Outstanding design flexibility – portrait installation.



Portrait installation of TONALITY facade tiles offers an additional opportunity to set architectural accents. In contrast to conventional installation, with this installation method the TONALITY facade tiles are set upright. This allows the facade design to pick up on typical elements such as striking vertical slit windows.

Portrait installation

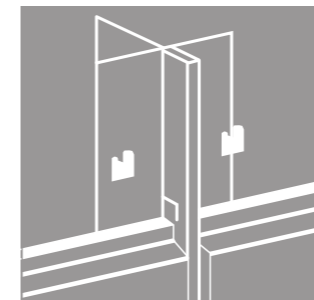


Outstanding design flexibility – joints.

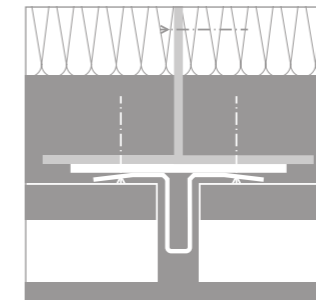


TONALITY system assemblies offer varied facade design options with a selection of joint profiles. Whether a closed, 8 mm width joint, an almost invisible, 2 mm width fine joint or an open joint, the system has the right solution for every design requirement. The closed joints can be executed in both recessed and flush versions.

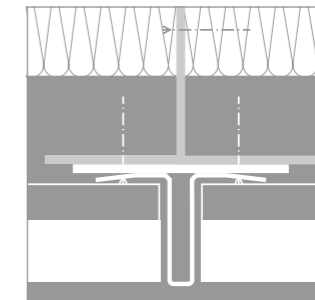
Closed joint



Closed joint (8 mm)



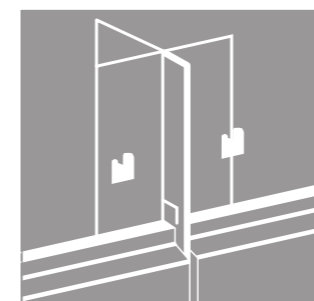
Recessed joint version



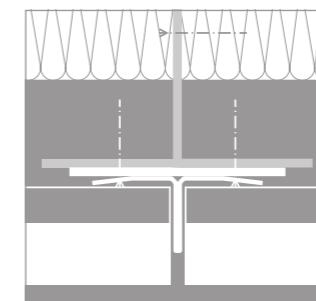
Flush joint version



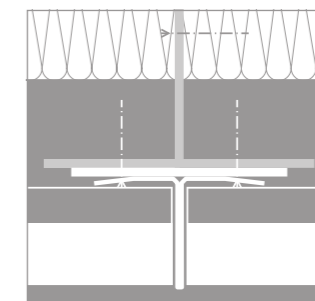
Offset vertical joint



Closed fine joint (2 mm)



Recessed joint version

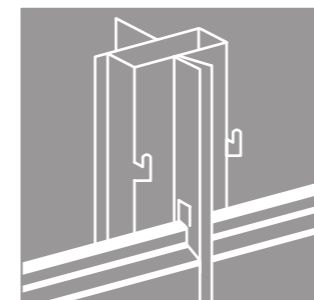


Flush joint version

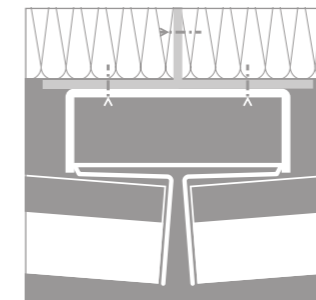


Flush fine joint

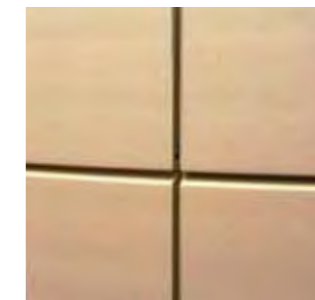
Open joint



Open joint (8 mm)



Flush joint version (open)

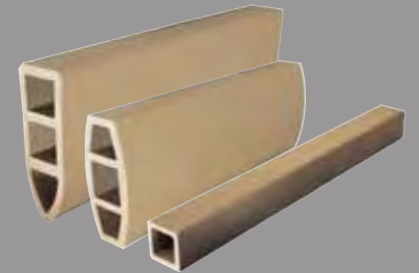


Open joint

TONALITY® Sight and sun protection – Lamella, Baguette and Square.



The Lamella, Baguette and Square sight and sun protection elements optimally complement the TONALITY facade tile product range. Integration of sight and sun protection early in the design process provides scope for creative facade concepts. Matching the clay tile facade but also enabling decorative architecture when used individually or as a harmonious design element in combination with metal, ceramic, glass and rendered facades. The precast elements are available in numerous standard dimensions and all colours of the NATUR, BRICK RED, NUANCE and NOBLESSE COLOR series as shown on page 18/19. Whether used on the inside or outside, or in a vertical or horizontal format, impressive architectural concepts can be achieved with these sight and sun protection elements.



Lamella, Baguette and Square



Photos top left and centre: Hospital in Buchen, Germany · Photo: CREATON AG

Photo top right: Residential and office building in Bad Homburg, Germany Architects: Architektengruppe GHP Link Schling Vorsmann, Oberursel, Germany · Photo: ETERNIT AG

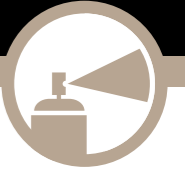
Photos at bottom and on left: Forfatterhuset kindergarten, Copenhagen, Denmark · Architects: COBE, Copenhagen, Denmark · Photos: Adam Mørk, Copenhagen, Denmark

The right colour for every taste – reference projects.

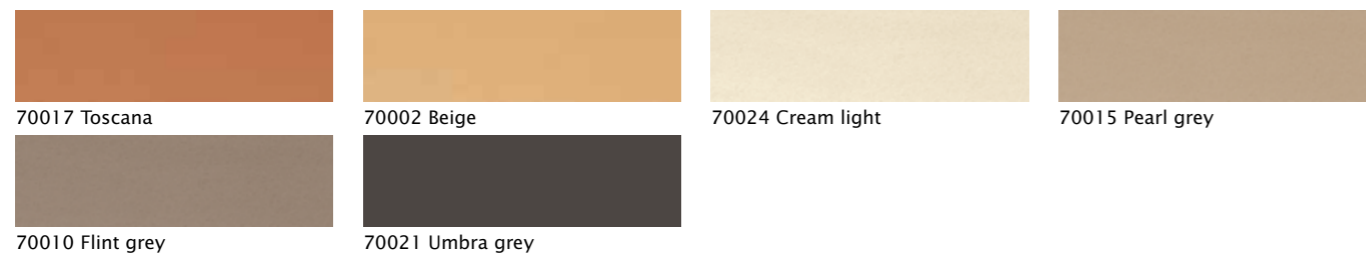


Left: Maggie's Centre, Nottingham, UK · Architects: Piers Gough, CZWG Architects LLP, London, UK
Photo: TI Tiles International Ltd, Glasgow, UK
Top right: Forfatterhuset kindergarten, Copenhagen, Denmark · Architects: COBE, Copenhagen, Denmark
Photo: Adam Mørk, Copenhagen, Denmark
Bottom right: Queensland Road, Islington, London, UK · Architects: CZWG Architects LLP, London, UK
Photo: TI Tiles International Ltd, Glasgow, UK

The right colour for every taste – TONALITY® colour overview.



TONALITY NATUR



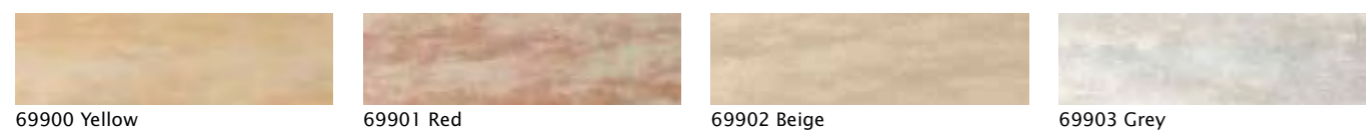
TONALITY NUANCE



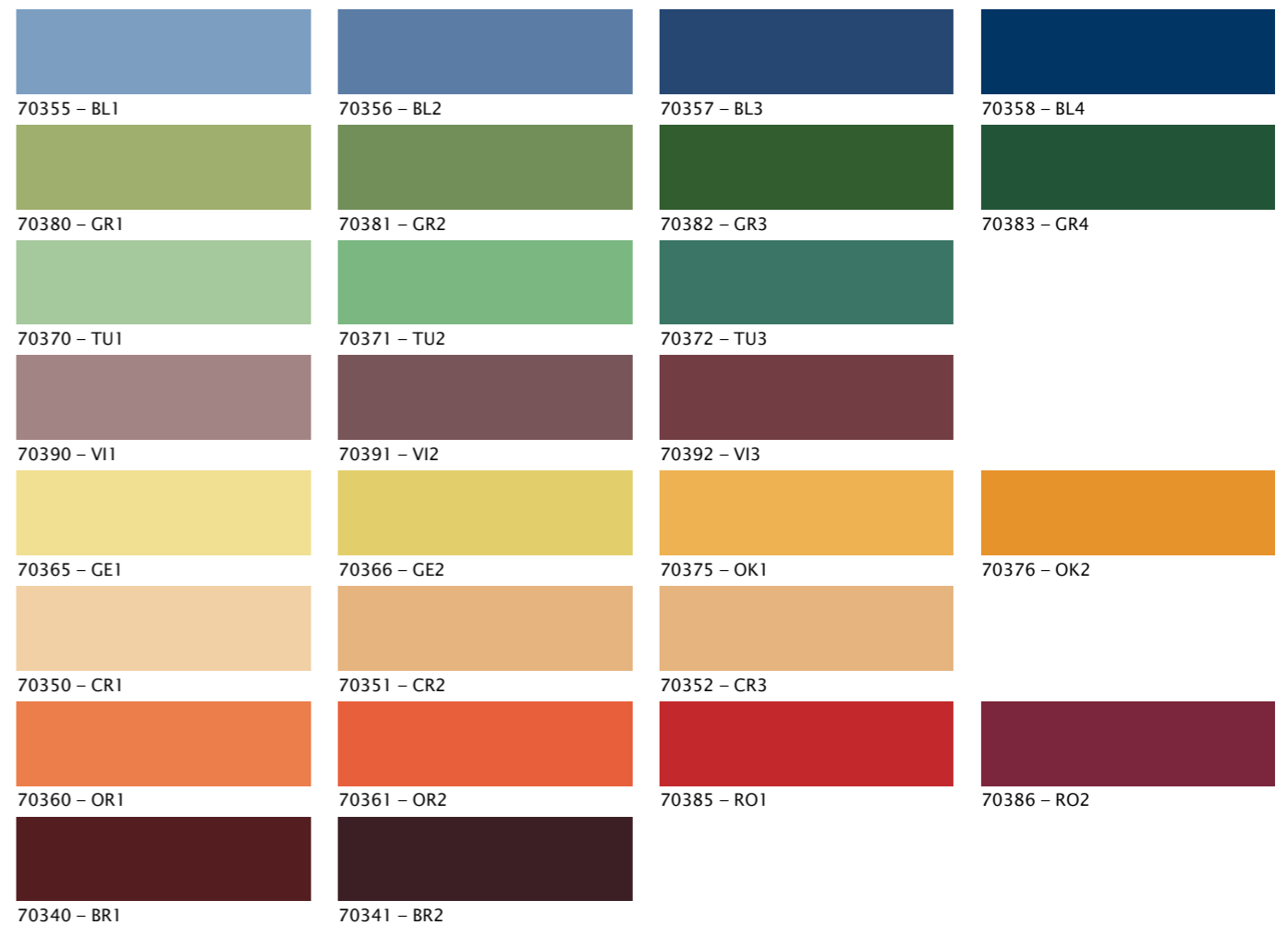
TONALITY SIENA



TONALITY TRAVERTIN



TONALITY NOBLESSE COLOR



Integrated graffiti protection is available for all colours of the TONALITY NATUR, NUANCE, SIENA, TRAVERTIN and NOBLESSE COLOR series.

Further colours and surfaces on request.

TONALITY BRICK RED



Photo: EURO PLAZA 5 in Vienna, Austria – a property of Union Investment Real Estate GmbH. Architects: Neumann & Partner, Vienna, AT - Photo: Markus Bstielier photography, AT



IP/TOMEN/02.1.6/3.5/Kr Subject to colour variations as a result of printing processes and technical modifications.

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