

Pure aesthetics for unique facades.



Certified quality.

High quality, frost resistance and durability have been inherent characteristics of TONALITY facade tiles for decades. These high quality facade tiles distinguish themselves through their outstandingly high quality raw materials combined with their unique colours, range of surface finishes, highly attractive joint designs and practical installation-friendly technology. Ventilated rainscreen facade projects, whether new builds or refurbishments, when constructed from TONALITY facade tiles have proven themselves both to be highly reliable and to possess outstanding physical characteristics.

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.



Outstandingly high quality raw materials combined with a unique manufacturing process lead to the highest quality tile body. With the innovative KERALIS manufacturing process TONALITY can offer facade tiles unbeatable in three respects: Strength, durability and cost effectiveness.

KERALIS sinter-firing process



'HIGH FIRING FACTOR'

The innovative KERALIS sinter-firing process with its '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 unique TONALITY KERALIS process and the resulting dense surface is long lasting 'built in' graffiti protection for the lifetime of the product.



Protection from environmental influences

The dense surface characteristics offer excellent protection against moss formation and staining. Excellent resistance to environmental and weather effects ensure that the tiles retain their 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) TONALITY can offer additional formats - available on request.



Fast, easy installation

Installation is fast and easy – the tiles are simply hung without the need for clips. The simple TONALITY installation principle makes it ideal for renovation/refurbishment projects. In the event of damage the tiles can easily be replaced. An integrated disassembly protection can be delivered on request.



Acknowledged, innovative system technology

High quality aluminium alloys, perfectly designed details and the KERALIS process distinguish TONALITY as an especially 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.



Low dead weight

A further property of the system which can significantly reduce costs is the low dead weight of only 28-35 kg/m². Combining the low dead weight and high strength, means that the primary substructure can be significantly reduced.



Large range of colours

Colour is not just a means of expression it also enhances aesthetics and can also add to the protection of the building. TONALITY is available in over 50 standard shades with different surface options. Custom colours and surfaces combined with other attractive joint designs are available upon request.

Ventilated facade – a proven system with many functional advantages.



Rear-ventilated rainscreen facades provide outstanding design freedom and functional reliability. A range of joint patterns, surfaces and colours gives the designer many different ways in which to tailor the design of the facade to the specific requirements of the building.

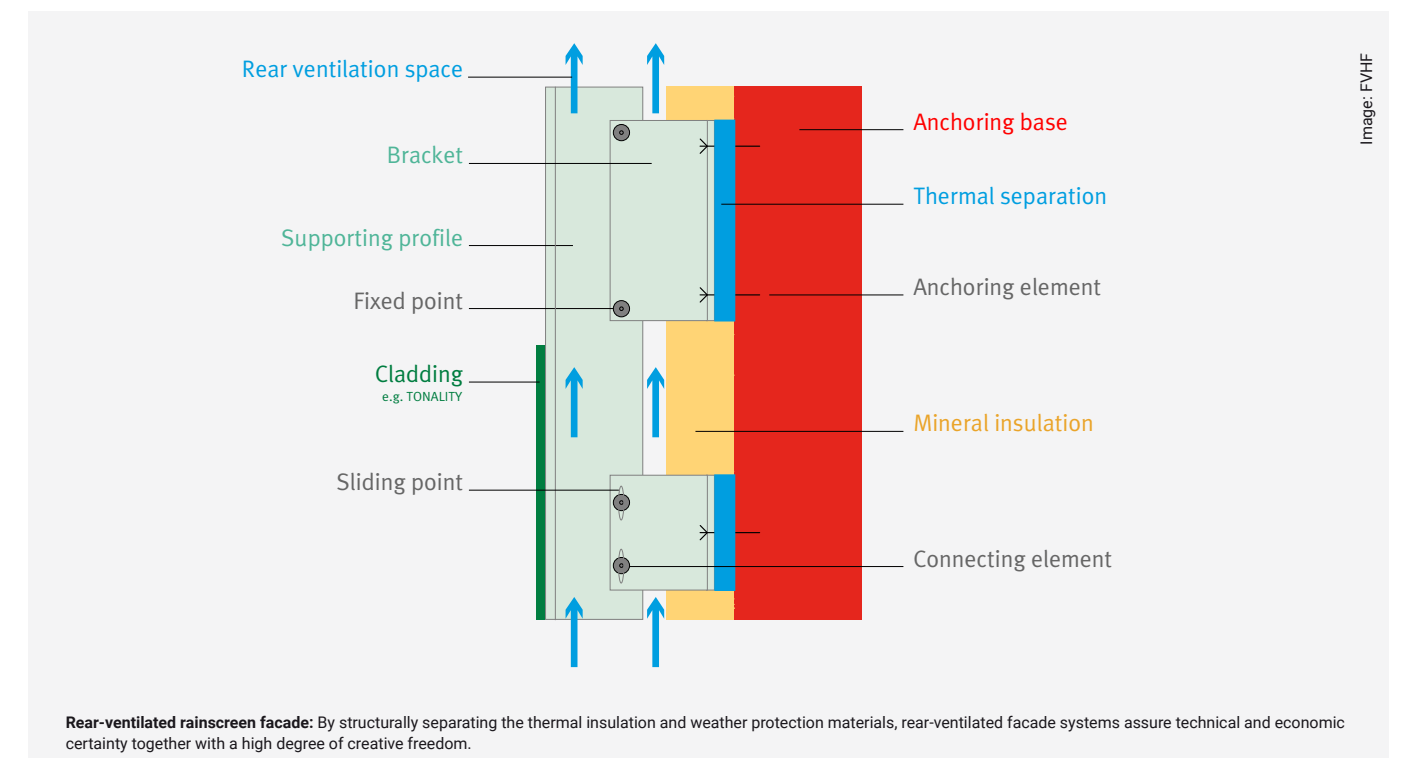
Furthermore, the physical separation of the thermal insulation and weather protection makes the rear-ventilated facade a robust and durable system. The ventilation behind the decorative facade facilitates air circulation which is a reliable method of ensuring that moisture caused by the fabric and the occupancy is removed. This keeps the insulation and structure dry at all times. In addition, the system needs very little aftercare or maintenance.

The use of a rear-ventilated facade is an excellent way to achieve energy-saving as the system can accommodate any required insulation thickness. This means that even the most exacting insulation standards can be met. Rear-ventilated rainscreen facades also offer excellent protection from the cold in winter and from heat in summer.

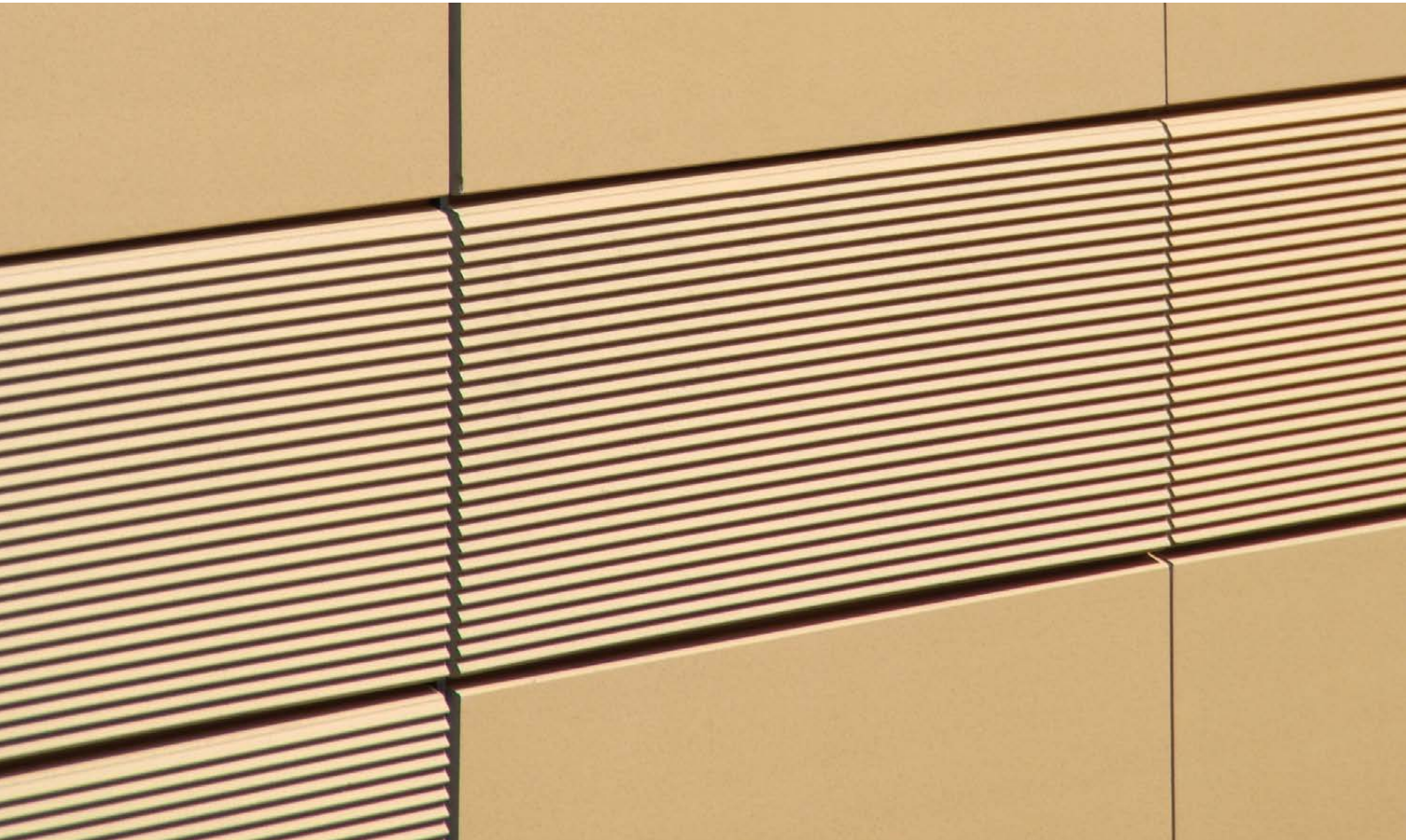
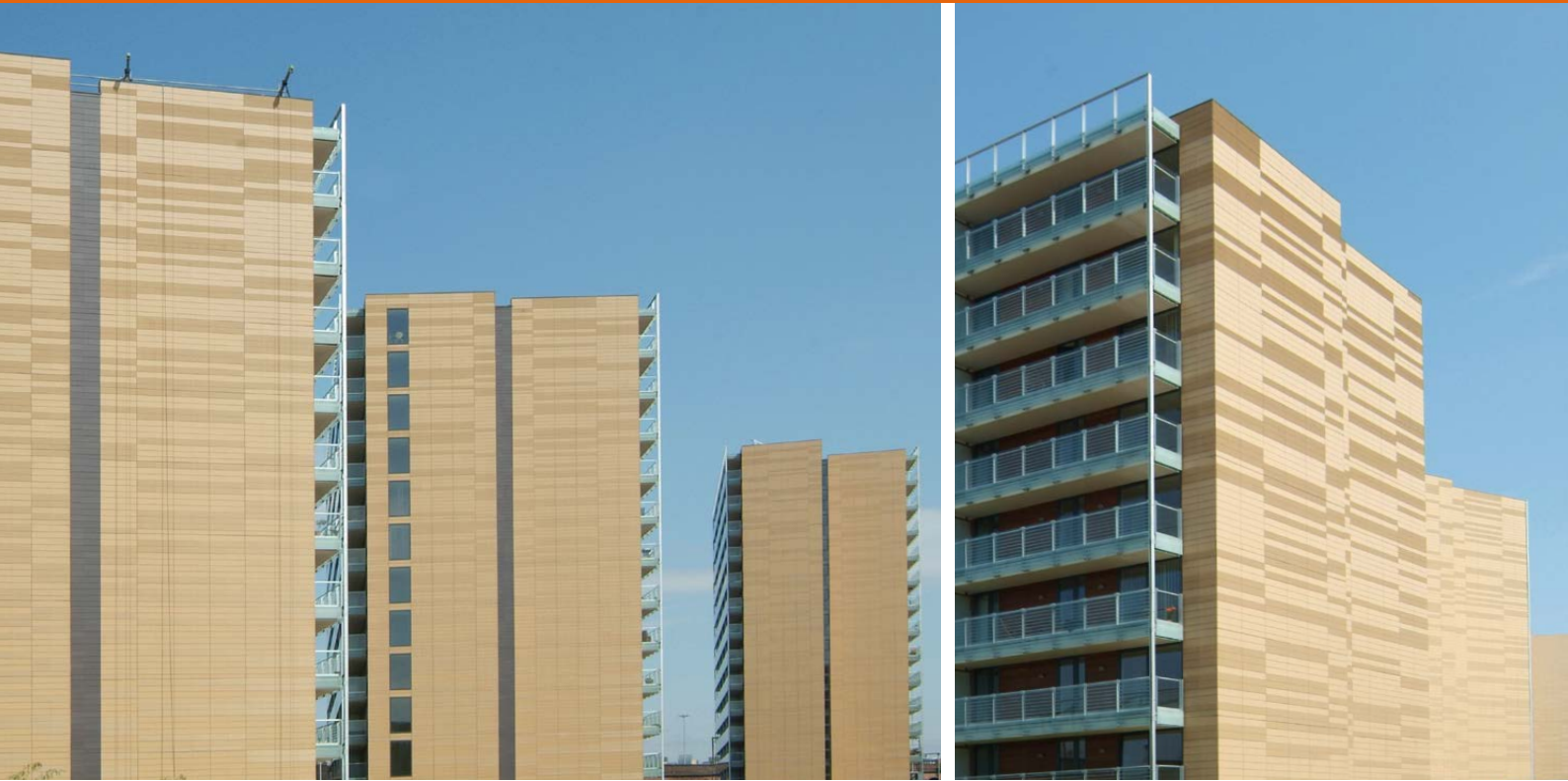
Construction of a rear-ventilated facade can take place in most weather conditions and at end of life the systems can be disassembled into its individual components.



Principle of the rear-ventilated rainscreen facade



Outstanding design flexibility – formats and finishes.



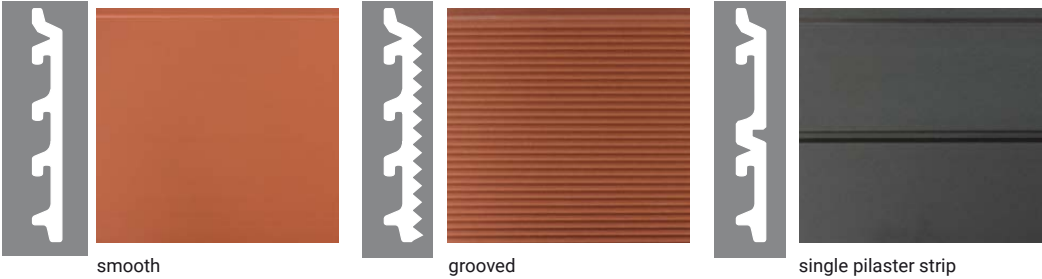
TONALITY offers unique design opportunities for individual facades with standard formats from 150 x 300 mm up to 400 x 1,600 mm and a wide choice of finishes.

Standard formats

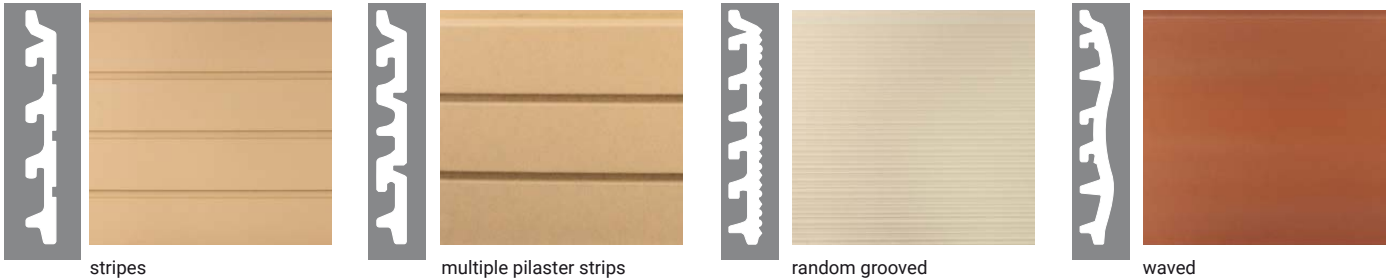
Grid height (mm)	Min. grid width (mm)	Max. grid width (mm)
150	300	900
175	300	900
200	300	1,600
225	350	1,600
250	375	1,600
300	450	1,600
400	600	1,600



Standard finishes



Special finishes



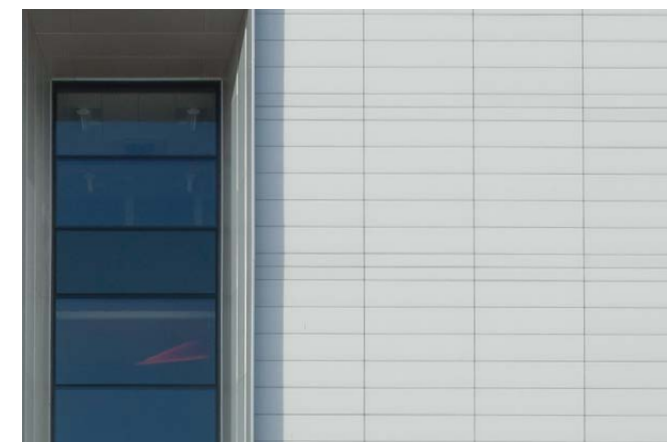
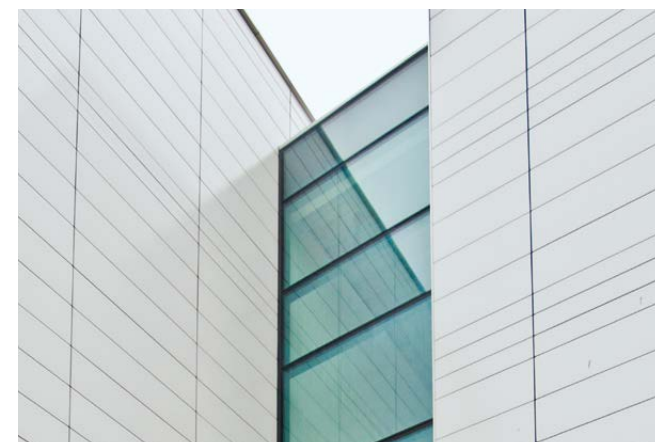
Outstanding design flexibility and tailor-made solutions – curves and composite grids.

Using the different TONALITY substructures facilitates the construction of unique facades tailored to the building requirements. Even exceptional requirements such as curves or designs incorporating facade tiles of different heights can easily be achieved. With the Adaptive System (ADS), even small radius curves can be constructed. Composite grids using different tile heights are made possible by the use of the BAS-Flex clips supplied with the BAS rail system.

Curves



Composite grids

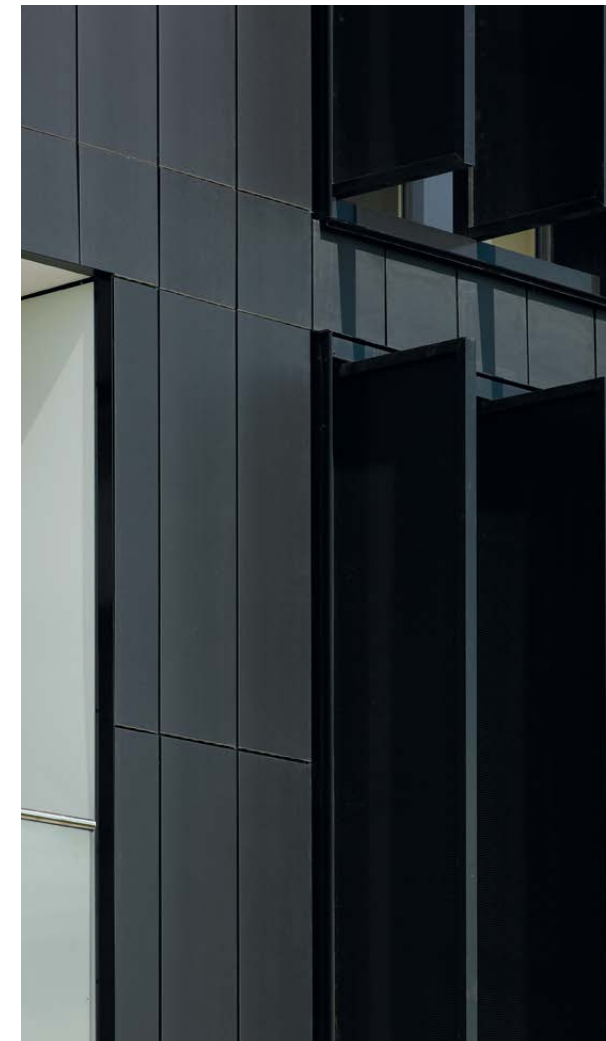


Outstanding design flexibility – portrait installation.



Portrait installation of TONALITY facade tiles offers an additional opportunity to create 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 other strong vertical elements such as slit windows.

Portrait installation

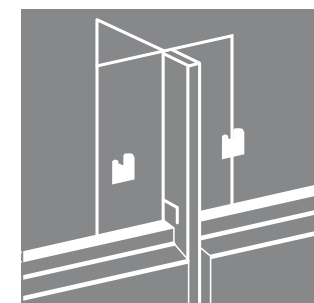


Outstanding design flexibility – joints.

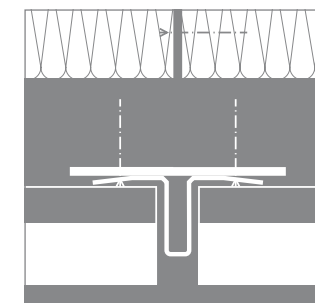


TONALITY system assemblies offer varied design options using a selection of joint profiles. Whether you choose a closed 8 mm joint; an almost invisible, 2 mm joint or an open joint TONALITY has a system to suit every building. The closed joints are available in both recessed and flush versions.

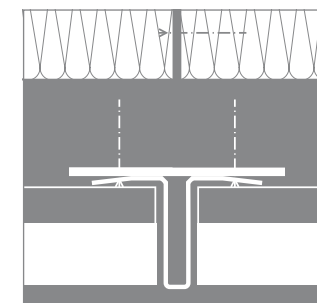
Closed joint



Closed joint (8 mm)



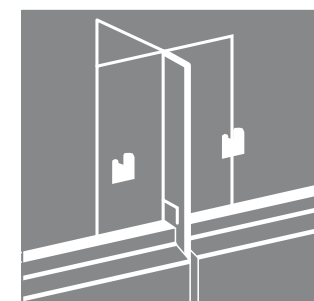
Recessed joint version



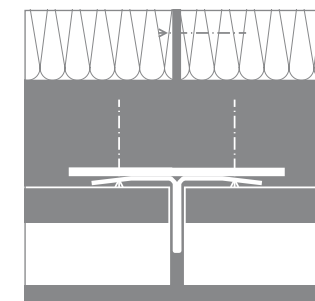
Flush joint version



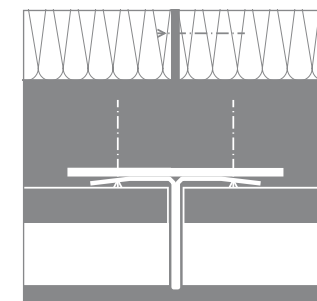
Offset vertical joint



Closed fine joint (2 mm)



Recessed joint version

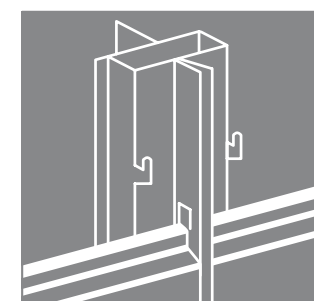


Flush joint version

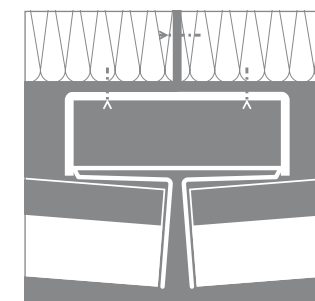


Flush fine joint

Open joint



Open joint (8 mm)



Flush joint version (open)

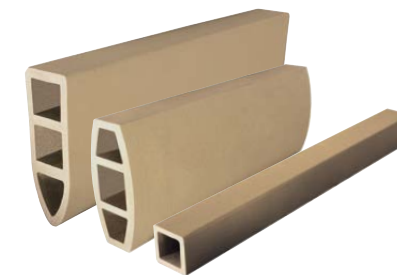


Open joint

Privacy and sun protection – Lamella, Baguette and Square Brise Soleil.



The Lamella, Baguette and Square Brise Soleil optimally complement the TONALITY facade tile product range. Integration of Brise Soleil early in the design process provides scope for creative facade concepts. You can choose just to match the clay tile facade or alternatively to use the Brise Soleil as decorative elements in their own right either individually or in combination with metal, ceramic, glass and rendered facades. The precast elements Brise Soleil are available in numerous standard dimensions and all colours from the NATUR, BRICK RED, NUANCE and NOBLESSE COLOR series as shown on page 18/19. Whether used inside or outside the building, or in either vertical or horizontal format these Brise Soleil help designers to create truly unique buildings.



Lamella, Baguette and Square Brise Soleil

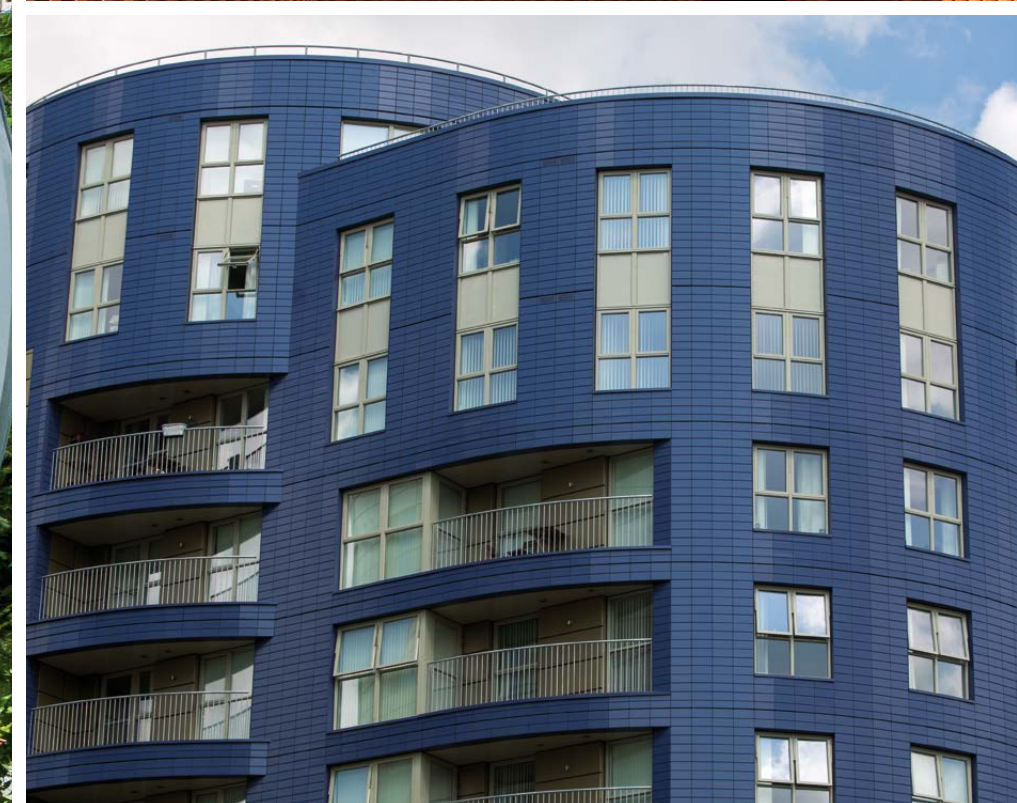


Photos top left and centre: Hospital in Buchen, Germany · Photo: TONALITY GmbH

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

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.

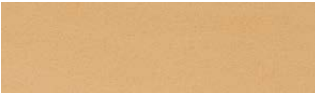
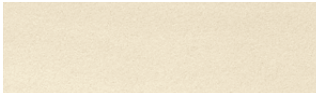
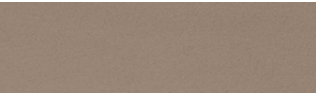



Left: Maggie's Centre, Nottingham, UK · Architects: Piers Gough, CZWG Architects LLP, London, UK
Photo: TI Tiles International Ltd, Glasgow, UK
Top right: Forfatterhuset kindergarten, Copenhagen, Denmark · Architects: COBE, Copenhagen, Denmark
Photo: Adam Mørk, Copenhagen, Denmark
Bottom right: Queensland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

The perfect colour for every taste – colour overview.



TONALITY NATUR

			
70017 Toscana	70002 Beige	70024 Cream light	70015 Pearl grey
			
70010 Flint grey	70021 Umbra grey		




























TONALITY NUANCE

			
70020 Brick red (finished surface)	70006 Dark red	70011 Copper red	70009 Bright red
			
70016 Sand	70004 Cream	70018 White matt	70022 White glossy
			
70007 Eggshell	70013 Light grey	70008 Bright grey	70014 Middle grey
			
70005 Dark grey	70001 Anthracite	70025 Black matt	70023 Black glossy

TONALITY SIENA

			
70100 Anthracite	70102 Red	70103 Beige	70101 White

TONALITY NOBLESSE COLOR

			
70355 - BL1	70356 - BL2	70357 - BL3	70358 - BL4
			
70380 - GR1	70381 - GR2	70382 - GR3	70383 - GR4
			
70370 - TU1	70371 - TU2	70372 - TU3	
			
70390 - VI1	70391 - VI2	70392 - VI3	
			
70365 - GE1	70366 - GE2	70375 - OK1	70376 - OK2
			
70350 - CR1	70351 - CR2	70352 - CR3	
			
70360 - OR1	70361 - OR2	70385 - R01	70386 - R02
			
70340 - BR1	70341 - BR2		



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

Further colours and surfaces on request.

TONALITY BRICK RED


70019 Brick red (natural)

Quality made in Germany.



TO/BB/EN/06.18/V2 Subject to colour variations as a result of printing processes and technical modifications.



TONALITY GmbH

In der Mark 100 · 56414 Weroth · Germany

Tel: +49 6435 90999-0 · info@tonality-facades.de

www.tonality-facades.de