



Pure aesthetics
for natural facades

” We enable people to create buildings making strong impressions, which are in harmony with their surroundings and help protect the environment. “



PROVIDING LIVING SPACE

Life requires space. To offer protection and also for development.

One of the most sophisticated roles of architecture is that buildings not only provide us room to live in, but that they also even become a part of our living spaces. Built structures influence people using them and their surroundings through their shape and design. TONALITY facade tiles allow sustainable ideas and designs for new and unique structural objects to come to life as a reality.

MORE THAN JUST TECHNOLOGY AND KNOW-HOW





Clay is our passion.
Your ideas are what drive us on.

The largest and highest quality clay deposits in Europe are found in Germany's Westerwald. And we have been manufacturing ceramic facade tiles right in the middle of these since 2004, in a production facility with 150 years' of ceramic traditions. We mine our clay from clay pits in our immediate vicinity. Thanks to technology, know-how and our committed people, we create high-quality facade tiles here in the very heart of nature for projects throughout the entire world. In this way we stay firmly grounded here in Weroth. This is also our down-to-earth quality, based on good Westerwald clay.

FROM NATURE ONTO THE FACADE



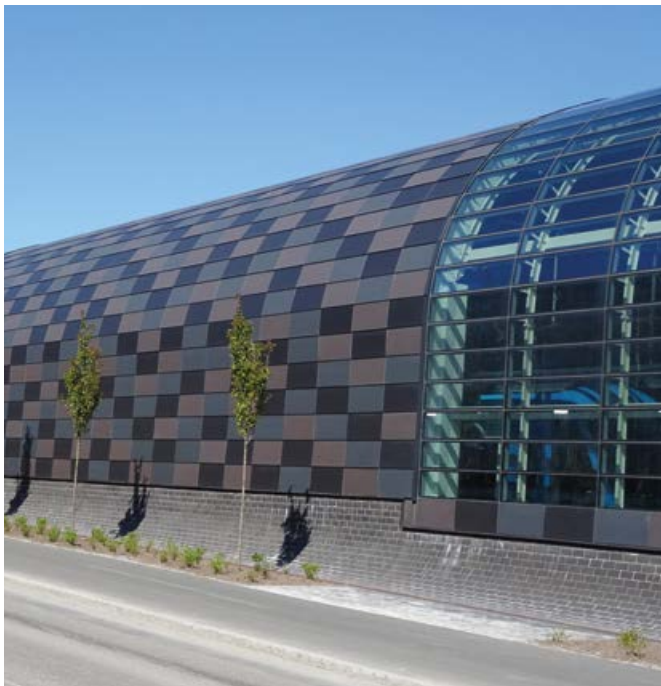


Really good for the environment.

The Vesalius apartment complex is breathing new life into the Old Town district of the Belgian city of Leuven. Fired from natural clay from Germany's Westerwald, the slender TONALITY facade tiles do not just add value in a visual sense. As a distinct coloured external envelope, the facade tiles provide lasting protection and security thanks to their durability, lack of maintenance requirements and non-combustibility without any negative impact on the environment. And with their interplay of earthy sandy shades of colour they bring a natural light-heartedness to this urban space.

SO MUCH FREEDOM
IS AN ABSOLUTE
MUST





**Design whatever you like,
we will take care of the rest.**

Your ideas need no longer fail because of what required technically. And not in the least if they are realised using TONALITY facade tiles. Combine high-quality facade tiles in a variety of formats, numerous colours and with many varied surface textures with classical or modern structural building designs – TONALITY allows you the freedom of unlimited designs. We are not making any great waves here. Apart from, perhaps 'The Wave' in Denmark.

SHOW OFF YOUR
SHAPE AND SIZE

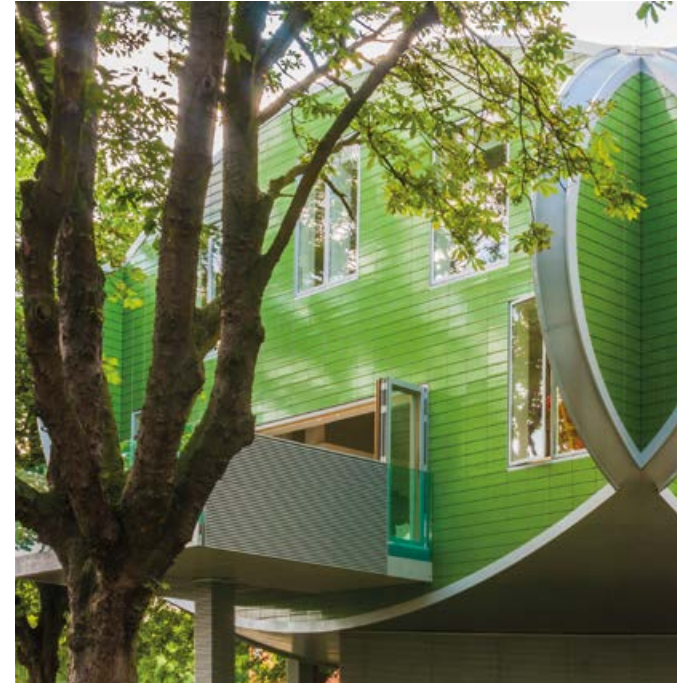




Extraordinary ideas require unusual formats.

TONALITY has perfected portrait installation for all lateral thinkers. As a counterpoint in design or for accentuating vertical structures. TONALITY facade tiles installed in vertical layout show off their true strength at this time. Flexible during the design phase, with highly impressive visual appearances, and a clearly-defined joint pattern. A facade solution for architecture with stature.

AS INDIVIDUAL AS YOUR IDEAS



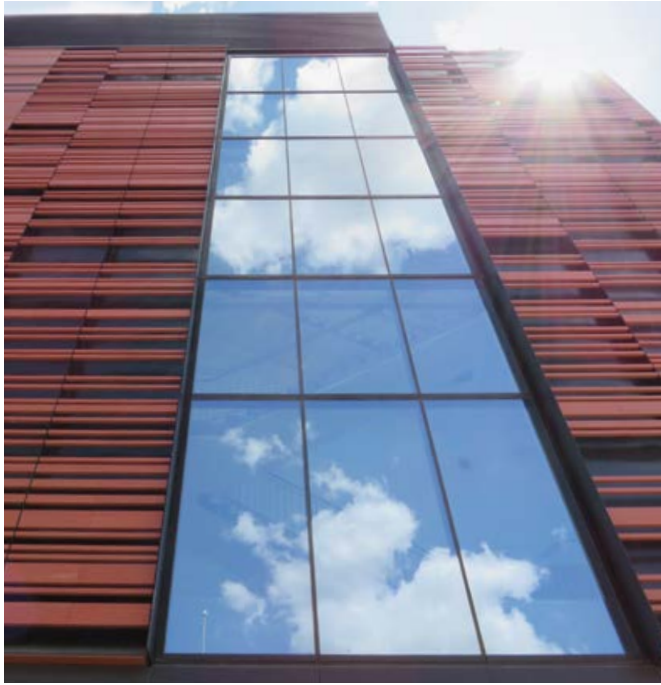


We take things very seriously.

The human eye perceives green in the finest nuances of colour. Along with the other 10 million shades and colours the human eye can also distinguish. This is why TONALITY places great value on precise colours, shades of colour and surface textures. In particular, whenever these are produced specifically and according to customer specifications as with the Maggie's Centre in Nottingham. For alongside the broad range of colours, structures and surface finishes, we are experts in designing special surface finishes and coloured designs. Easy for us to do, because we know how.

A SYNTHESIS OF IDEAS AND CLAY





There is no real need to re-invent the ceramic facade.

Architecture also lives from unusual combinations of known materials, shapes and colours. For example with the Data Centre in Toronto. For what at first glance appears to be an unusual mixture of TONALITY facade tiles and Baguettes, when viewed from a distance turns out to pay homage to former computer hole-card technology, a precursor to the barcode of to-day. And in this way it is considered to be one of the most innovative buildings in Canada, from well beyond the city limits. Here too, we only produced the ceramic facade cladding for it. And it only became a unique synthesis once we input the architect's ideas.

TURN TOWARDS THE COLOURS

Rich variety of designs instead of a grey drabness.

TONALITY bases itself on examples from nature. You can choose from more than 50 standard colours and designs. And should your desired colour be missing from this broad spectrum, then almost every

shade of colour can be realised as a special colour. Long-lasting colour fastness and UV resistance are however still standard practice, naturally.

TONALITY® BRICK RED



70019
Brick red (natural)

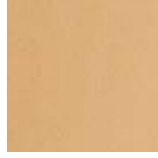


70029
Brick red (flamed)

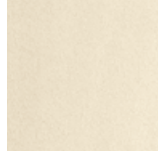
TONALITY® NATUR



70017
Toscana



70002
Beige



70024
Cream light



70015
Pearl grey



70010
Flint grey

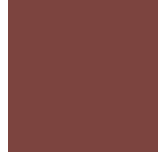


70021
Umbra grey

TONALITY® NUANCE



70020
Brick red
(finished surface)



70006
Dark red



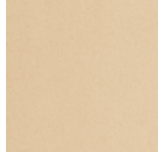
70011
Copper red



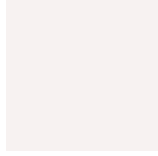
70009
Bright red



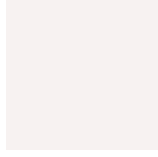
70016
Sand



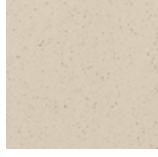
70004
Cream



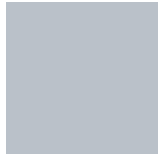
70018
White matt



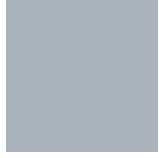
70022
White glossy



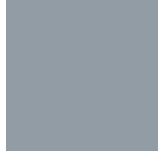
70007
Eggshell



70013
Light grey



70008
Bright grey



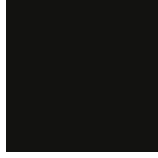
70014
Middle grey



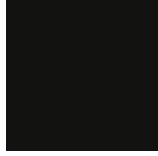
70005
Dark grey



70001
Anthracite



70025
Black matt



70023
Black glossy

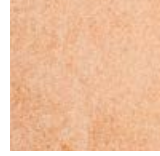
TONALITY® SIENA



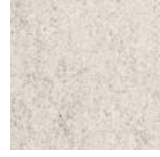
70100
Anthracite



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



70390 - VI1



70391 - VI2



70392 - VI3



70365 - GE1



70366 - GE2



70375 - OK1



70376 - OK2



70360 - OR1



70361 - OR2



70385 - RO1



70386 - RO2



70340 - BR1



70341 - BR2



70370 - TU1



70371 - TU2



70372 - TU3



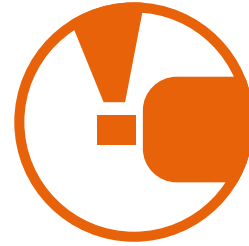
70350 - CR1



70351 - CR2



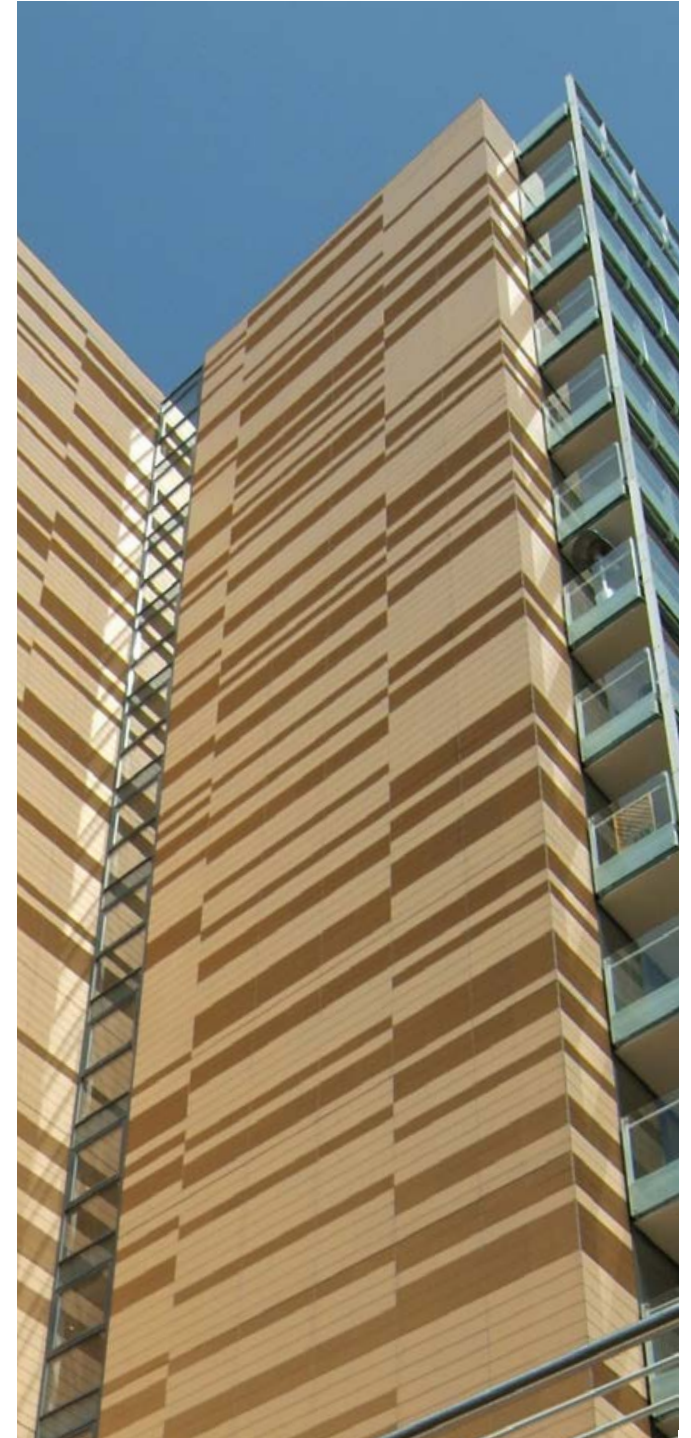
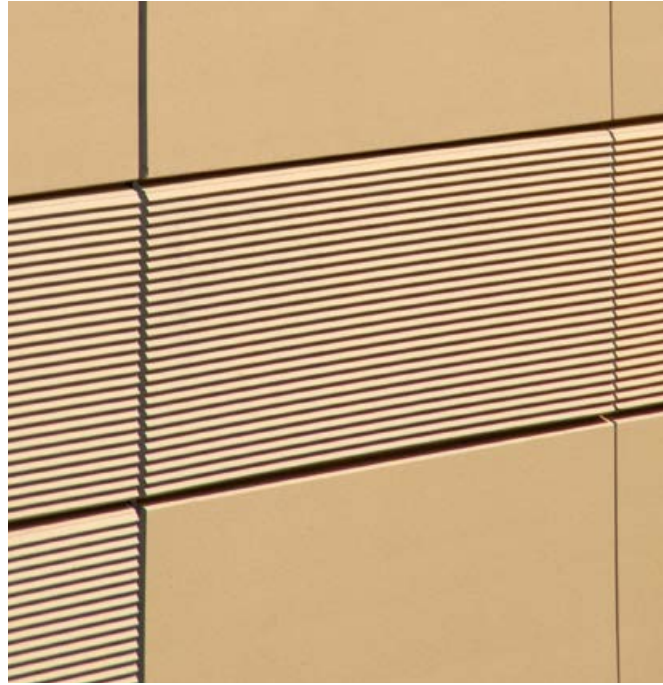
70352 - CR3



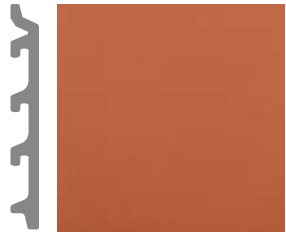
Integrated graffiti protection is available for all colours of the
TONALITY NATUR, NUANCE, SIENA and NOBLESSE COLOR series.

Further colours and surfaces on request.

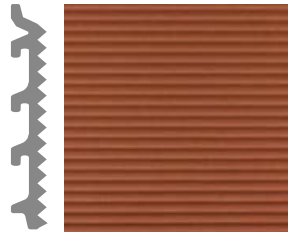
EVERY FACADE IS LIKE A TAILOR-MADE SUIT



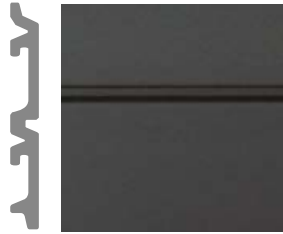
Standard surfaces



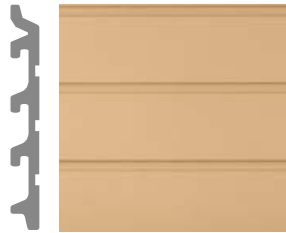
Smooth



Grooved



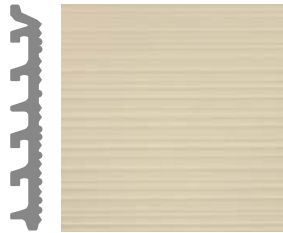
Single pilaster strip



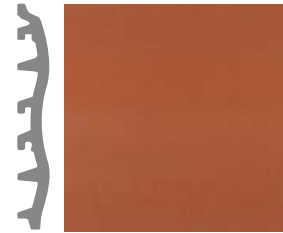
Stripes



Multiple pilaster strips



Random grooved



Waved

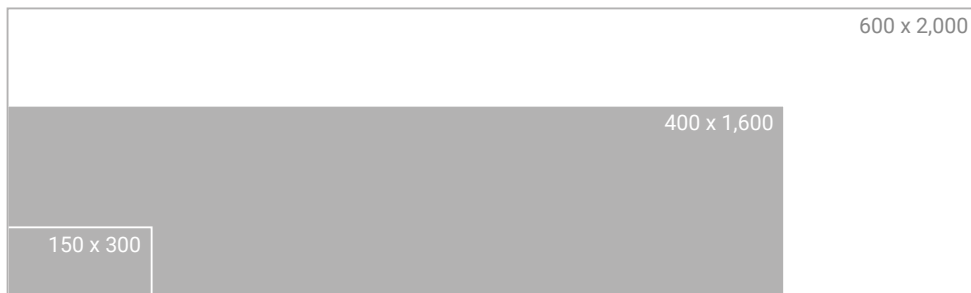
Customised surface finishes (examples)



Ondo



Peak & Trough



Flexibility of design begins with flexibility of shape and size.

TONALITY facade tiles can be produced precisely, to within one millimetre from 150 x 300 mm up to 400 x 1,600 mm. And even in endless varieties in between. Even more opportunities for covering every square metre arise in conjunction with the seven varied standard surfaces such as for example smooth, grooved or with pilaster strips. Further shapes and sizes, individual surface finishes are also feasible of course. Whether for a standard solution or a special solution, everything is simply made-to-measure at TONALITY.

IN ORDER THAT
FACADES CAN
ALSO GET AROUND
CURVES

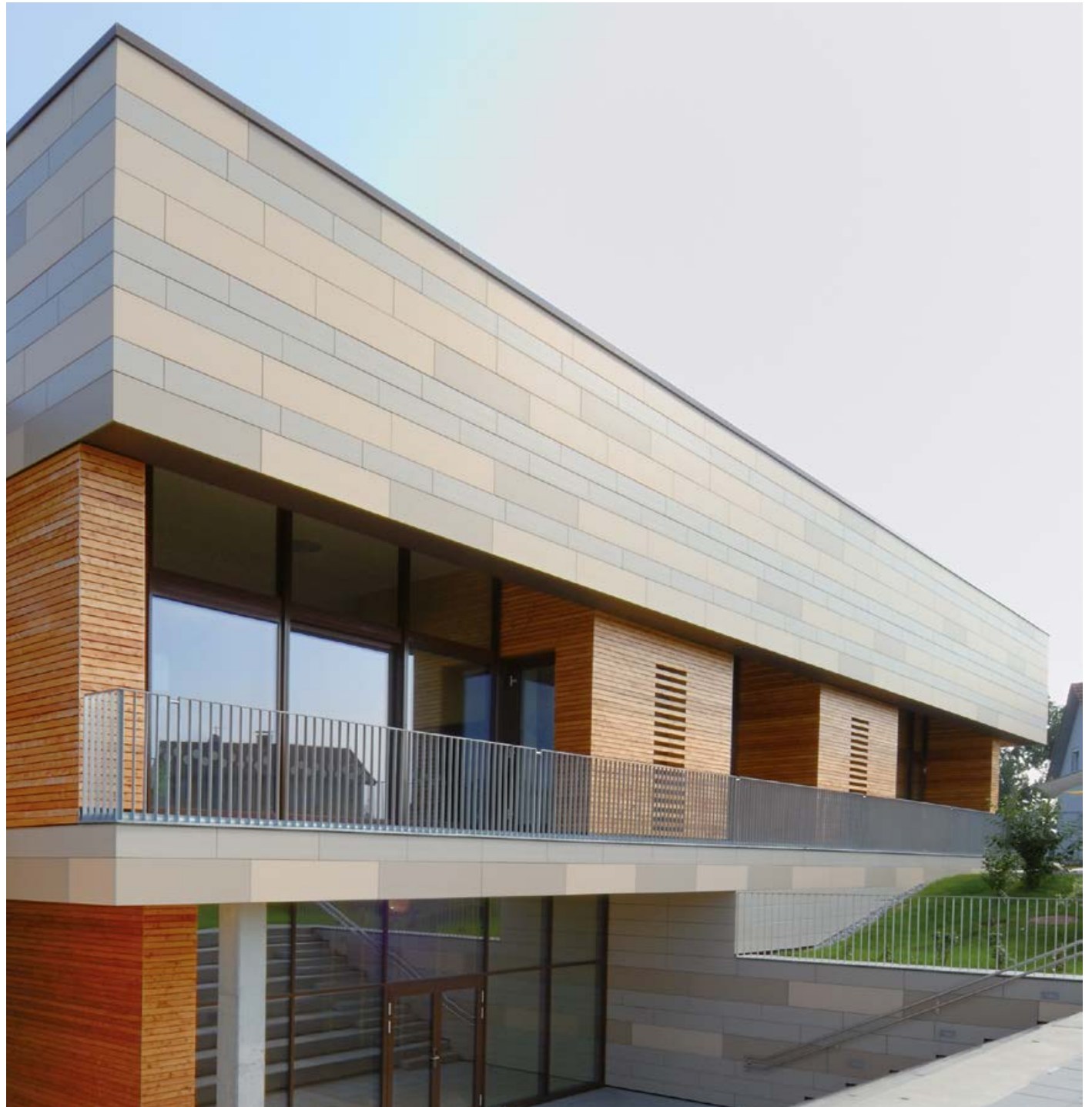


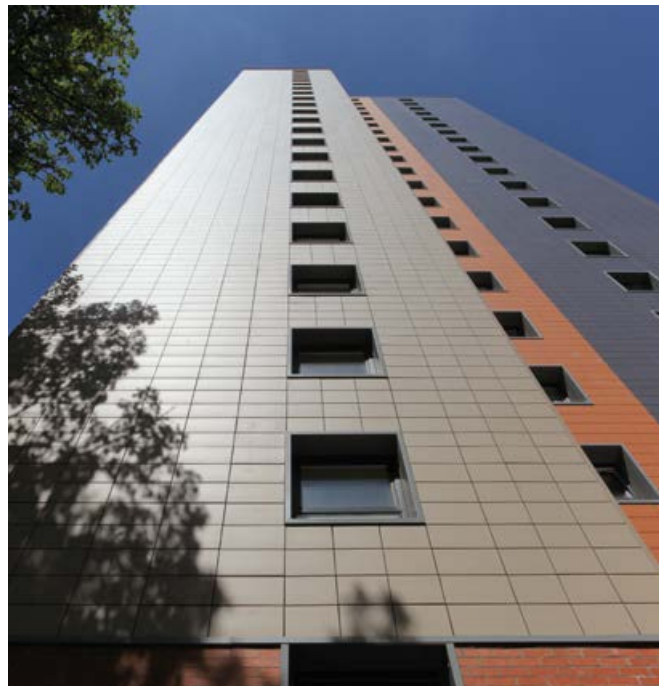
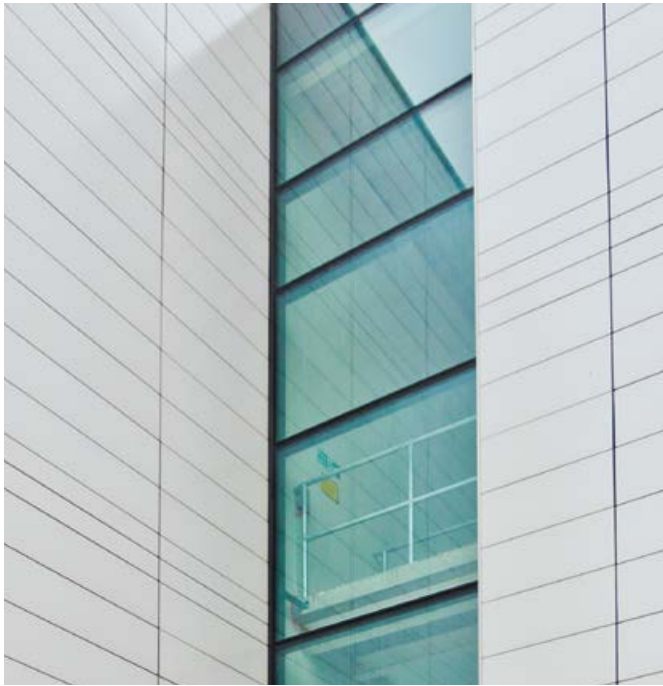


The correct sub-structure fits between an individual facade design and a high-quality installation.

TONALITY places great value in systems which can also introduce extraordinary design formulations such as curvature or mixing different grid heights skilfully and effortlessly into a single scenario. Thanks to the adaptive system (ADS) or base clinch rail system (BAS) including special tools, every design formulation no matter how unusual it may be will also fit into the facade in the end. And into the associated cost parameters.

THE ART OF THE JOINT





**A joint is a joint, and remains a joint.
No way.**

For there are wide and narrow, rebated and flush, open joints and closed joints. And then there are also combinations of different varieties. No matter which joint design is desired, with TONALITY system constructions the joint is a visually enriching design element of the facade in any case. And with its clearly defined lines it creates an attractive image of the joint lay-out.

NATURAL AND ECONOMICAL





Extraordinary facades require convincing solutions.

For all too often the timeframe during the construction phase is very tight. Also during the installation phase. Realising the 7,300 m² TONALITY facade for the Federal Employment Agency's administrative headquarters in Cologne demonstrates that individual detailed solutions, mixed grids and a precise layout of joints must not be a contradiction to rapid installation. Overall construction time: 8 months. This included installing the entire TONALITY facade system. Sometimes the design phase alone requires significantly longer.

SEEING AND NOT BEING SEEN





Privacy and sun protection cannot be integrated into a facade any more naturally.

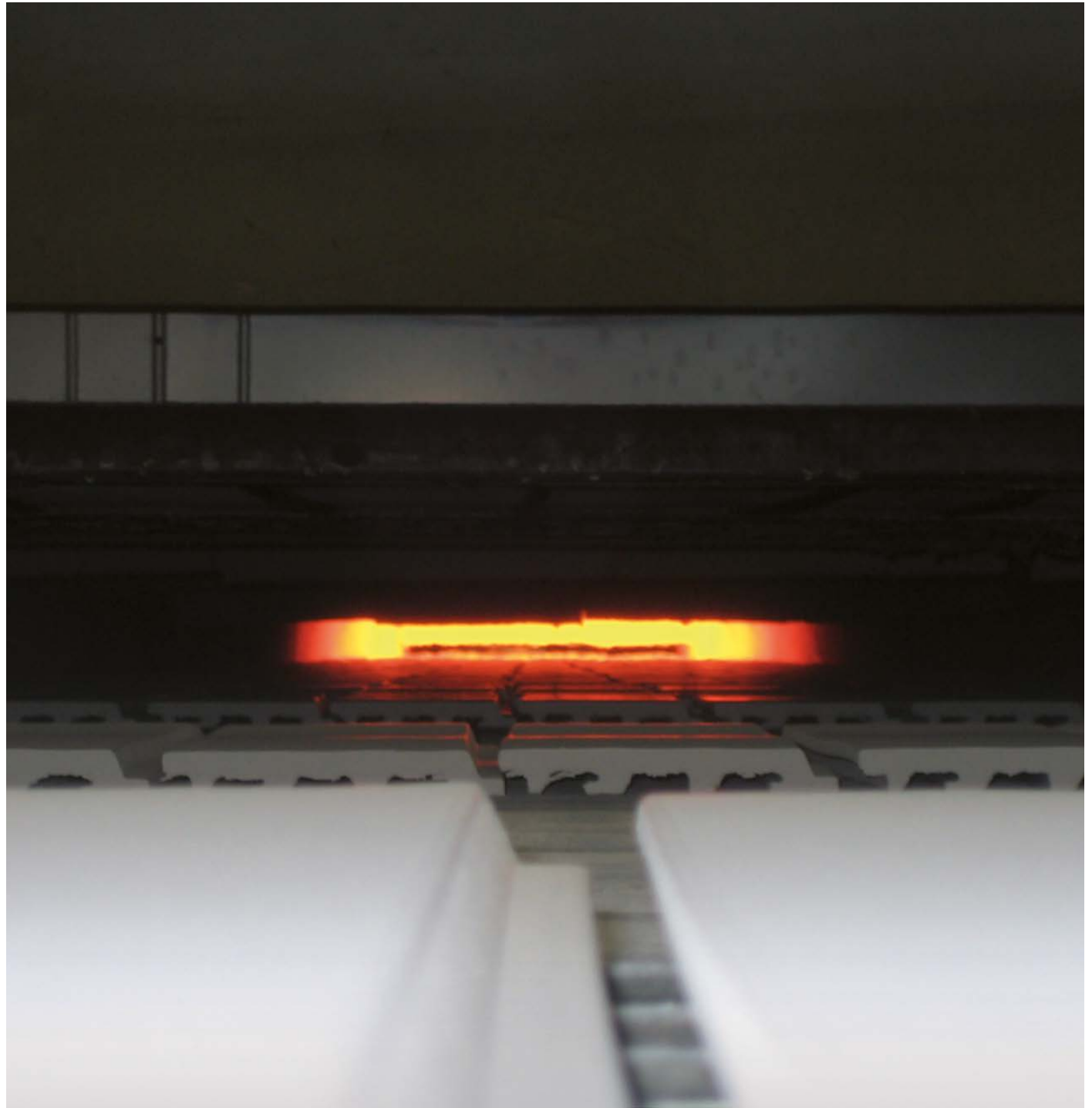
It is all the same whether you are using Lamella, Baguette or Square elements. They all blend into the overall facade design as a solitary design element harmoniously with metal, ceramic, glass or plaster. And at the same time they provide discretion and a pleasant indoor climate in the building through their active sun protection. Impressive architectural design concepts can be realised both on external facades as well as also inside buildings using these elements, which are available in numerous dimensions and colours. Whether they are implemented as sight or sun protection, in all cases they are sure to attract attention.



FIRE AND EARTH FOR THE HIGHEST PRODUCT QUALITY

It all comes down to the mixture.

TONALITY facade tiles are manufactured using the KERALIS® sinter firing process. Only first class clays suitable for sinter firing can be used for this. Following appropriate preparation, the clay mixture is placed under significantly higher pressure even before leaving the extruder than with comparable products. Not least the high firing temperatures of over 1,200° C change the highly condensed molecular structure of the ceramic body into an inimitable cladding tile, which merits the name TONALITY. And which commands unique characteristics:



High-performance surface

Thanks to the KERALIS® sinter firing process, TONALITY facade tiles receive an unparalleled even, smooth and dense surface finish. At the same time these unique surface characteristics create a consistently high-quality, attractive visual aspect and remain maintenance-free in the long-term. The integrated graffiti protection, which remains permanently effective throughout the entire period of use in combination with the lifelong colour fastness and UV resistance allow TONALITY facades to remain radiant from the first day to the last. In addition the facade is dirt-repellent, counteracting moss or algae forming and it is not affected by any environmental or weathering influences.



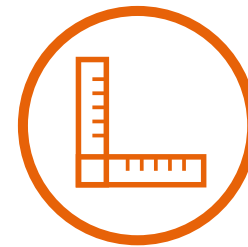
High strength

TONALITY facade tiles are simply strong performers. For the KERALIS® sinter firing process ensures tile bodies are resistant to pressure, and are both impact-resistant and scratch-resistant. That makes them not only insensitive to damage during transportation and installation, but they also remain frost-resistant, water-resistant and resistant to sea-water throughout their entire period of use. In addition these ceramic elements only display low thermal expansion. Thanks to these specific product characteristics, single layer TONALITY facade tiles can be used in all climatic regions of the world, and on the grounds of their low dead weight are easy to handle, even in large formats.



Precisely tailored

TONALITY facade tiles leave the factory with absolute dimensional stability and flat across a plane. This provides an even and precise joint pattern on the facade without any overlapping or protrusions. And the tiles which are individually cut, precise down to the last millimetre permit rapid, simple installation, which therefore also saves time and money.



PEAK PERFORMANCE FOR CERAMIC FACADES



Rapid and simple installation

Installation has never been so easy: hang it in place, you're done! No clips, no visible fasteners, no stress. And whether we now work from the bottom to the top, from right to left or from the top to the bottom, both the adaptive system (ADS) as well as the base clinch rail system (BAS) are entirely flexible here. Even during subsequent replacement of damaged tiles. And on safety grounds, an optional, integrated dismantling safety can also be activated. Flexibility can quite simply be fast.



Acknowledged system technology

TONALITY facade tiles with the advantage of the KERALIS® sinter firing process combined with the adaptive system (ADS) or the base clinch rail system (BAS) provide reliable, practically focussed solutions, and have acknowledged worldwide. One of the best qualities of the acknowledged systems is not even visible here: the installation. Always a must for TONALITY without any added costs. In addition, the systems which have been tailored to one another in an optimum fashion provide the highest degree of security even in extreme situations, which international earthquake tests have already demonstrated.



Low dead weight

TONALITY facade tiles can be manufactured as a single layer with a low dead weight of only 28-35 kg/m², thanks to the KERALIS® sinter firing process. At the same time the tiles display an enormously high strength, which has a positive effect on the static engineering properties of the entire facade. Summing up, thanks to the low dead weight, the primary sub-structure can be reduced considerably. This saves time, material, and with this, also money.



Wide variety of shapes and colours

TONALITY represents a wide variety of design possibilities instead of a grey drabness. More than 50 standard colours and seven standard surface finishes provide inspiration for an unlimited abundance of designs. If a completely new colour or a unique surface finish actually does materialise, we can also realise this in the acknowledged TONALITY quality. Long-lasting colour fastness and UV resistance as well as permanent graffiti protection* are included. Anything else is just a facade.

*Exception: Series TONALITY BRICK RED



Safety of the system

As part of a suspended, rear-ventilated facade, TONALITY provides a high degree of security and retention of value. Through their use of tiles fired at over 1,200° centigrade, which are classified as non-flammable in the German building materials class A1 according to EN 13501-1. Using aluminium sub-structures, which alongside the durability contribute to the structural fire protection and lightning protection. Using system solutions certified not only with national technical approvals, but in addition by the Institut Bauen und Umwelt e.V. (IBU) association with an Environmental Product Declaration – EPD – according to ISO 14025 and EN 15804. Using robust single layer tile bodies for durable, economical and safe facades.



QUALITY MADE IN GERMANY



TONALITY GmbH
In der Mark 100
D-56414 Weroth

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



Image sources Title: Vesalius, BE; Photo: Houben NV | Page 3: Vesalius, BE; Image: Jaspers-Eyers Architects | Page 4/5: TONALITY Plant, DE; Photo: TONALITY | Page 6/7: Vesalius, BE; Photo: Marc Detiffe | Page 8: The Wave, DK; Photo: TONALITY | Page 9 top left: BoulevardClub, CA; Photo: Alex Kubassek | Seite 9 top right: Arsenal Towers, UK; Photo: TI Tiles International | Page 9 bottom left: AGA Sporvågen depån, SE; Photo: TONALITY; Page 9 bottom right: Maggie's Centre, UK; Photo: TI Tiles International | Page 10/11: DAHL, DK; Photo: Ivarsson | Page 12/13: Maggie's Centre, UK; Photo: TI Tiles International | Page 14/15: Data Centre, CA; Photo: Engineered Assemblies | Page 18: Saint George's Island, UK; Photo: TI Tiles International | Page 20: Düsseldorf University Law Faculty, DE; Photo: TONALITY | Page 21 top left, right, bottom right: Shopping mall New Brighton, UK; Photo: TI Tiles International | Page 21 bottom left: Shopping market Spar, AT; Photo: TONALITY | Page 22: Pertinsel children's house, AT; Photo: Günter Laznia | Page 23 top left: Shopping mall New Brighton, UK; Photo: TI Tiles International | Page 23 top right: Pertinsel children's house, AT; Photo: Günter Laznia | Page 23 bottom left: Maggie's Centre, UK; Photo: TI Tiles International | Page 23 bottom right: Ibroxholm Residential Complex, UK; Photo: TI Tiles International | Page 24/25: Federal Employment Agency Cologne, DE; Photo: Martin Lässig | Page 26: Forfatterhuset kindergarten, DK; Photo: Adam Mørk | Page 27 top left and right: Forfatterhuset kindergarten, DK; Photo: Adam Mørk | Page 27 bottom left and right: Hospital Buchen, DE; Photo: TONALITY