

*QUALITY CLADDING FROM CREATIVE DESIGN –
“TONALITY®” ASSURES FINITE DETAIL.*



The choice in cladding design is yours. The impressive variety of CREATON allows for virtually any customer's wishes to be fulfilled – in colour, shape and composition.

CREATON – THE BRAND NAME FOR CREATIVE CLADDING

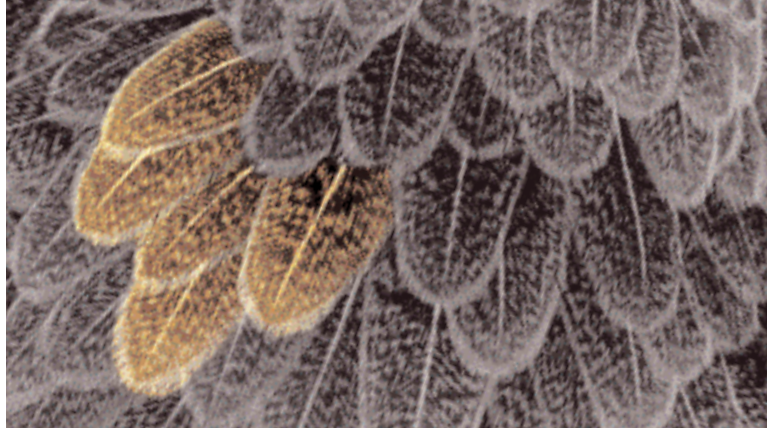
SUPERIOR KILN FIRING RESULTING IN PRODUCTS OF EXCELLENCE.



*WHEN CREATIVE
CLADDING DESIGN IS
SOARING TO THE SKY...*



*...IT'S THE NEW
EXCELLENT QUALITY OF
"TONALITY®".*



CREATON is renowned for its demands of quality. A demand taken on every day used to improve and strengthen our products. The result is fired clay tiles that – parallel to our knowledge – are continuously developed and improved. Starting from the roof, continuing over the façade, down to the floor. Each new CREATON product is the result of more than 100 years of experience and commitment in the area of ceramics. Thus, imaginative combinations of personal choices of colours combined with superior quality advantages are emerging time and time again.

In its efforts to achieve quality, CREATON has attained a high level of excellence. With "TONALITY" we have developed our cladding range in a unique and so far unprecedented variety of colours. "TONALITY"- "CLASSIC" blazes new trails in the unlimited possibilities of cladding design. Dye penetrated fired clay tiles of the finest colours inspire in a well thought out system. The user-friendly installation, the extremely variable design of joints and the sensitive and subtle selection of surfaces round off the ceramic cladding system for new buildings and renovations – for outstanding possibilities of creative design throughout Europe.

Now with "TONALITY"- "CLASSIC" and "TONALITY"- "COLOR", two façade programmes are offered. Together, they open a new arena of choices: in the selection of colours and surroundings, in the diversification of installation and application, in quality and economic viability.



*“TONALITY®” – YOUR
ADVANTAGE IN CREATIVITY
AND TECHNOLOGY.*

THE “TONALITY®” CREATIVE ADVANTAGE:

Colour advantage

- approx. 90 colour shades from two collections
- thousands of individual colour combinations possible
- full-flush colour down to the smallest detail through colour-coated joint system
- producing new-tile look even after many years resulting from complete dye penetration



- creative support in your planning through the CREATON Colour Studio

Surface advantage

- choice between various surfaces (natural, glazed, engobed, sand-blasted, grooved)
- ideal anti-graffiti protection due to glazing

Installation advantage

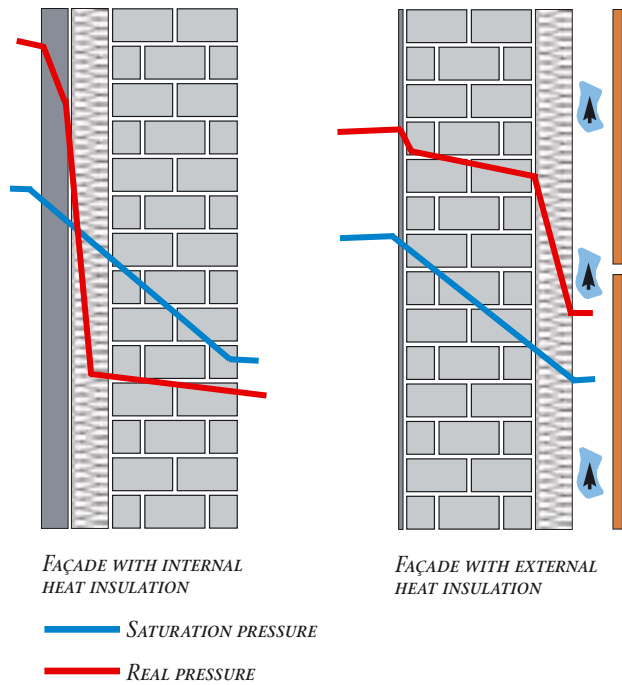
- individual construction methods due to three different systems
- various grid formats for creative solutions to problems
- simple laying of the tiles
- complete concealed anchorage
- optional protection against dismantling

The advantage offered to our partners

Our creative way of cladding gives CREATON partners the decisive lead. It is in the colour combination possibilities, surfaces and sub-constructions.

THE “TONALITY®”

TECHNOLOGY ADVANTAGE:



Total system advantage:

- absolutely maintenance free
- resistance to the most constant and aggressive environmental conditions
- easy to control structure and installation particularly in the case of renovations
- insulated external facing to be achieved without any problems

Architectural advantage:

- the choice for contractors and developers due to appealing architectural solutions
- problem free repair of damage in case of vandalism
- the choice of colours and formats allows diverse surface structuring
- open and closed design of joints

Application advantage:

- durable joints due to non-ageing building materials
- unrestricted ventilation due to vertical positioning of support rails
- perfect fit between tile and sub-structure due to UV-resistant joint profile
- simple installation and tile extrusion
- minimal wall fastening from 30mm

Economical advantage:

- minimal weight of the system of less than 40kg/m²
- minimal installation period for system sub-construction and tiles

Construction advantage:

- three different sub-construction systems for installation on to load bearing external walls
- ventilated slot of 3cm guaranteed to be as high as the building due to integrated ventilation of the vertical system
- high quality ceramic lining

Functional advantage:

- optimal heat insulation and water vapour diffusion
- minimized humidity of renovated and new-built walls
- no thermal bridges possible
- agreeable room climate due to virtually no temperature exchange with the exterior
- reduces energy consumption good noise insulation with inner and exterior application





*“TONALITY®”-“COLOR”-
CREATIVE COLOR DIVERSITY.*

*“COLOR” -
LIMITLESS IMAGINATION.*

STANDARD PRODUCTION FORMATS OF THE “TONALITY®” - “COLOR” COLLECTION:

	FA	FB	FC	FD	FE	FF	FG	FH	FI	FJ	FK
1	[Color swatch]	[Color swatch]	[Color swatch]		[Color swatch]	[Color swatch]	[Color swatch]	[Color swatch]			[Color swatch]
2	[Color swatch]	[Color swatch]	[Color swatch]	[Color swatch]	[Color swatch]	[Color swatch]	[Color swatch]		[Color swatch]	[Color swatch]	[Color swatch]
3	[Color swatch]	[Color swatch]	[Color swatch]	[Color swatch]	[Color swatch]	[Color swatch]	[Color swatch]	[Color swatch]	[Color swatch]	[Color swatch]	[Color swatch]
4		[Color swatch]	[Color swatch]	[Color swatch]				[Color swatch]	[Color swatch]	[Color swatch]	
5	[Color swatch]			[Color swatch]				[Color swatch]	[Color swatch]		

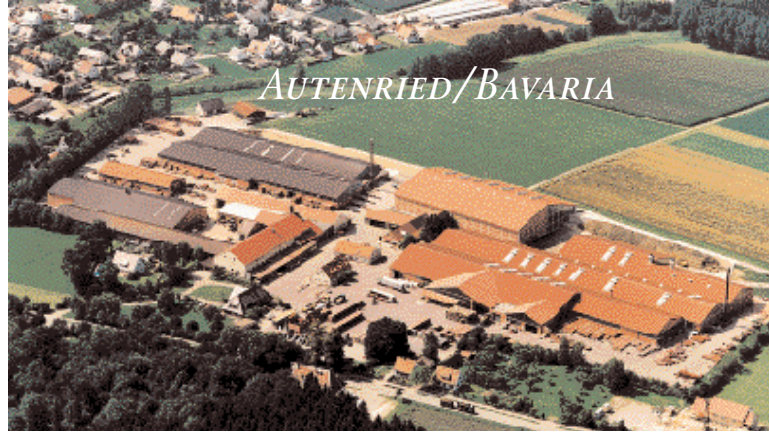
*COLOUR HARMONY DUE
TO 80 WELL-MATCHED
SHADES ORIGINATING WITH
THE WELL-KNOWN
EUROPEAN COLOUR
DESIGNER F.E.V. GARNIER*



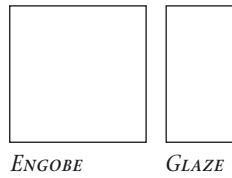
Friedrich Ernst v. Garnier

Specialist know-how dedicated to staged colourfulness

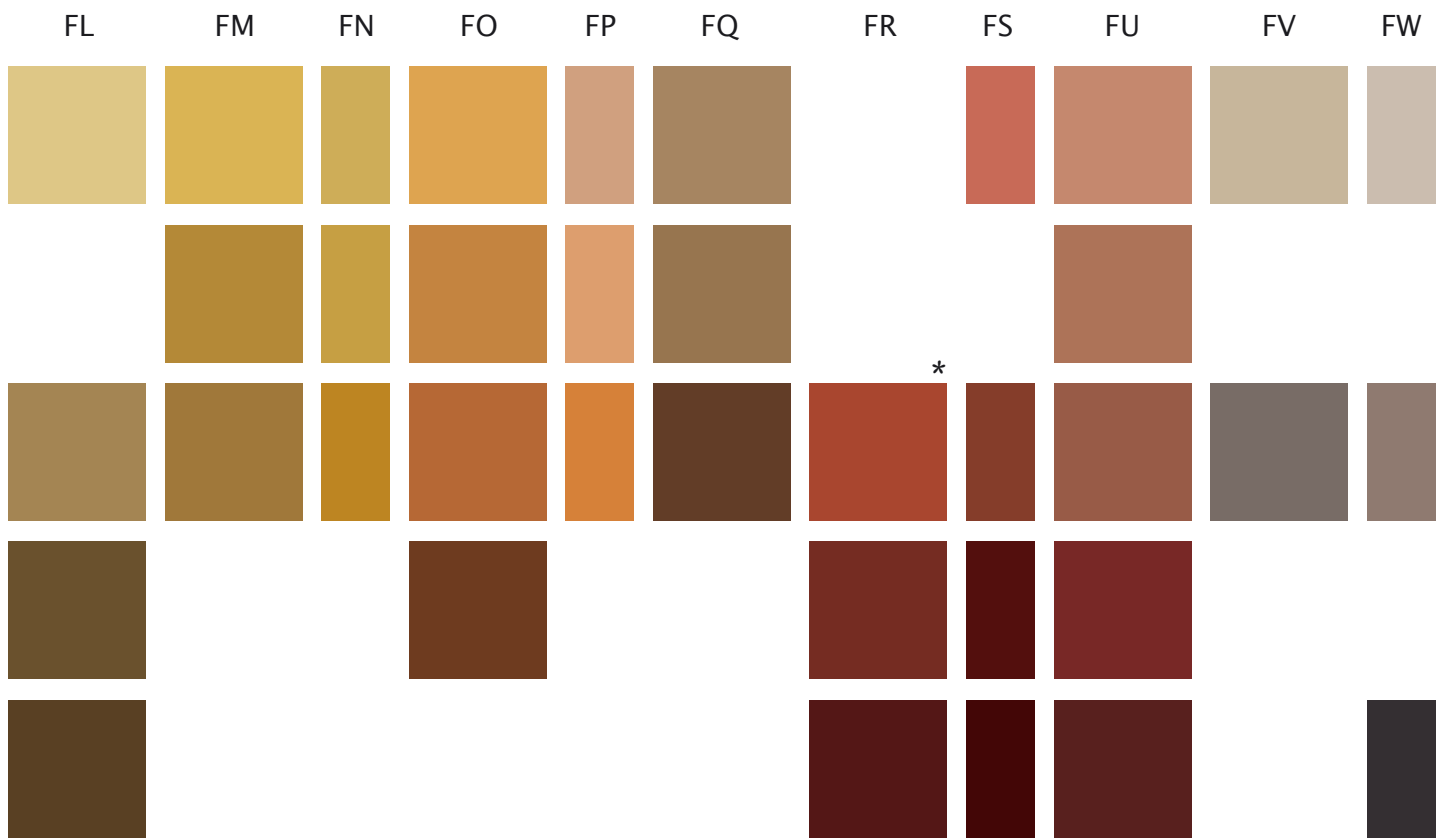
The triumph of variety over monotony: More than 80 shades of “TONALITY”-“COLOR” give free reign to your imagination. The innovator of this wide creative range is Friedrich Ernst von Garnier. The ideas and the experience of this international leader and his influence in the colour design of our cladding, allows CREATON the realisation of an innovative cladding system manufactured of high-quality ceramic. With their system, you can draw on plentiful resources. The CREATON Colour Studio will be pleased to advise you and will translate your ideas into technicolor reality. “TONALITY”-“COLOR” is the creative solution wherever economical issues are in the focus of attention.



ULTRA-MODERN PRODUCTION PLANT FOR "TONALITY" - "COLOR"



175 X 400 MM AND 200 X 400 MM (Special formats on request)



* NATURAL RED (FR3)

The illustrations of the colour shades can only be considered a reference as printed colours can never be true reproductions of the original colours and do not reflect the richness of the tiles.

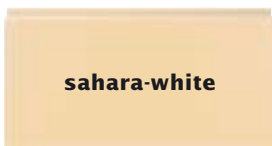
Technical data of "TONALITY"-"COLOR"						
Module size	Tile height	Tolerance	Tile width	Tolerance	Tile thickness	Tolerance
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
175 x 400	183	+/- 2.0	392	+/- 1.0	22	+/- 1.5
200 x 400	208	+/- 2.0	392	+/- 1.0	22	+/- 1.5
Longitudinal arch		max. 2.0 mm		Top edge arch		max. 2.0 mm
Lateral arch		max. 2.0 mm		Butt edge arch		max. 2.0 mm
Arch for both dimensions		max. 2.0 mm		Deviation from perpendicular		max. 2 mm on 200mm
Resistance to pressure	according to DIN EN 1304 for highest minimum load					
Module size	Weight	Tolerance	Module size	Weight	Tolerance	
(mm)	(kg/piece)	(kg)	(mm)	(kg/piece)	(kg)	
175 x 400	2.2	+ 0.2/- 0.5	200 x 400	2.5	+ 0.2/- 0.5	
Water absorption < 5% weight						



*“TONALITY®”-“CLASSIC” –
ENHANCED QUALITY.*

*“CLASSIC” –
CREATIVE COLOUR DESIGN
MADE TO LAST.*

STANDARD PRODUCTION FORMATS OF THE “TONALITY®”-“CLASSIC” COLLECTION:



sahara-white



beige



sand*



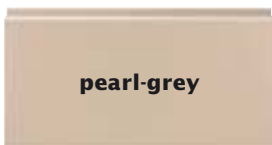
toscana



salmon-red



brick-red



pearl-grey



manganese



**manganese
anthracite***

SUPERIOR KILN FIRING RESULTING IN PRODUCTS OF EXCELLENCE.



Variety of Natural Colours

This programme offers many varying possibilities of combining the available colour shades and surfaces. The natural colours harmonize well with the high-grade surfaces that give each façade a fine and luxurious appearance.

Homogenous tile body

With “TONALITY”-“CLASSIC”, CREATON has achieved a breakthrough in quality advancement, which could only be realised with the new and most modern European production lines.

The fine calibre of processing of our high-quality raw materials as well as the superior kiln firing are guarantors of this new excellence in quality. Our cladding tiles obtain homogenous colouring. Double-dried clay is processed to finest powdered clay, completely dyed in finely graduated ratios of mixture and subsequently burnt at temperatures exceeding 1,100°C. For outstanding quality in each and every tile in the trusted CREATON style.

*SETTING NEW
CREATIVE ACCENTS!*

**ALL COLOURS ARE AVAILABLE
WITH SANDBLASTED AND
GROOVED SURFACES (EXCEPT
MANGANESE ANTHRACITE
AND SAND –
THESE ARE NOT AVAILABLE
IN SAND-BLASTED
QUALITY).*



grooved



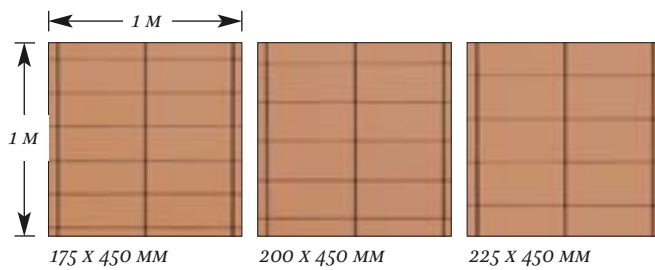
**sand-
blasted**





ULTRA-MODERN PRODUCTION PLANT FOR "TONALITY"- "CLASSIC"

175 X 450 MM, 200 X 450 MM, 225 X 450 MM AND 250 X 450 MM
(Special formats on request)



Optimal design in practice

With its variable grid sizes, "TONALITY"- "CLASSIC" is suited for all building projects. This flexibility proves to be an outstanding feature of the simple integration of the functional elements into the structure of buildings to be renovated. "TONALITY" allows the realisation of homogeneous solutions even for all structural openings, borderings and edges without any effort.



Technical data of "TONALITY"- "CLASSIC"						
Module size	Tile height	Tolerance	Tile width	Tolerance	Tile thickness	Tolerance
(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
175 x 450	183	+/- 2.0	442	+/- 1.0	22	+/- 1.5
200 x 450	208	+/- 2.0	442	+/- 1.0	22	+/- 1.5
225 x 450	233	+/- 2.0	442	+/- 1.0	22	+/- 1.5
250 x 450	242	+/- 2.0	442	+/- 1.0	22	+/- 1.5
Longitudinal arch		max. 2.0 mm		Top edge arch		max. 2.0 mm
Lateral arch		max. 2.0 mm		Butt edge arch		max. 2.0 mm
Arch for both dimensions		max. 2.0 mm		Deviation from perpendicular		max. 2 mm on 200mm
Resistance to pressure		according to DIN EN 1304 for highest minimum load				
Module size	Weight	Tolerance	Module size	Weight	Tolerance	
(mm)	(kg/piece)	(kg)	(mm)	(kg/piece)	(kg)	
175 x 450	2.4	+ 0.2/- 0.5	225 x 450	3.1	+ 0.2/- 0.5	
200 x 450	2.7	+ 0.2/- 0.5	250 x 450	3.4	+ 0.2/- 0.5	
Water absorption < 6% weight						

*“TONALITY®” – CREATIVE
IN FASTENING SYSTEM.*

*PROGRESSIVE SYSTEM OF
ADVANCED TECHNOLOGY.*

*EXTREMELY CREATIVE EVEN IN THE DESIGN OF JOINTS.
WETHER IN SHAPE, COLOUR, MATERIAL OR DEPTH –
“TONALITY” LEAVES NO WISHES UNFULFILLED.*

Unique support system

Our desires to reach perfect solutions go beyond the tile body. Even in the field of support systems, “TONALITY” offers many different variations. Have you decided in favour of an aluminium sub-frame? Open or closed? Natural or even colour-coated or anodised? Or does your choice fall on our bolt system with possible wooden lath – as an integrated joint and insertion profile?

Beauty down to the smallest joint

The flexible sub-frame will guarantee a design of the joints that can be adjusted to the overall appearance or allow even the subtle nuances according to your wishes. In respect of shape, as well as colour design.



NARROW, OPEN JOINT



WIDE, OPEN JOINT

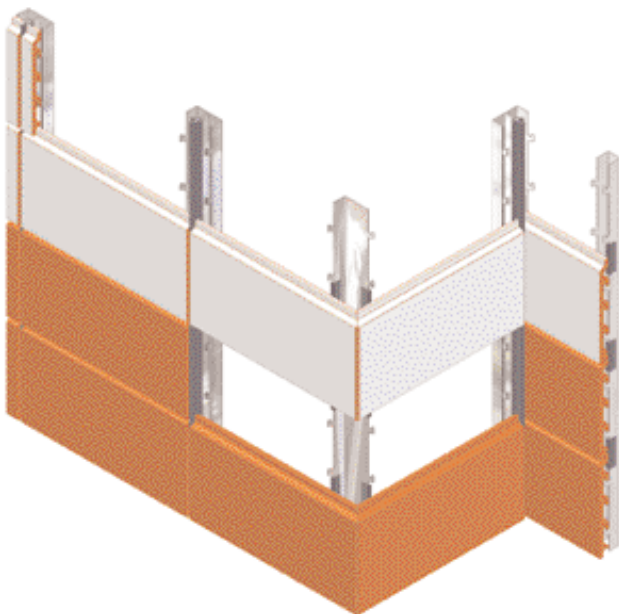


CLOSED, FRONTAL FLUSH JOINT

CLASSIC JOINT DESIGN WITH THE EXTRUDED PROFILE.

Reliability over many years

Especially where economical factors weigh heavily and are to be coupled with reliability, the designers of façades count on the classic extruded profile. The aluminium-extruded profile offers optimal values with regard to static equilibrium with a small installation depth. Easy formation of loose and fixed points through adjusted system components.



TILE FAÇADE WITH CLASSIC EXTRUDED PROFILE AND CONNECTION TO THE WINDOW-LEDGE

EXTRUDED PROFILE

THE CLASSIC AND PARTICULARLY ECONOMICAL JOINT DESIGN: BLACK NEOPRENE JOINTS (8MM)

EXTRUDED PROFILE WITH BLACK NEOPRENE JOINT 8 MM



*“TONALITY®” – CREATIVE
IN FASTENING SYSTEM.*

*VARIABLE JOINTS
ACHIEVED BY METAL
JOINT PROFILE.*

**Latest manufacturing technologies make possible:
Adaptive fixing system**

The bearing profile with variable depth allows optimal adjustment to the static requirements. Even tiles of different module heights can be combined on one bearing profile. Joint widths of 2 - 30 mm, open or closed joints, reset or flush versions are possible.

Design with colour

It is worth mentioning the colour design of the joints of this system. Aluminium joints in powder-coated RAL colours can be matched with the colours of your cladding tiles or be set in contrast with the tiles at any time.

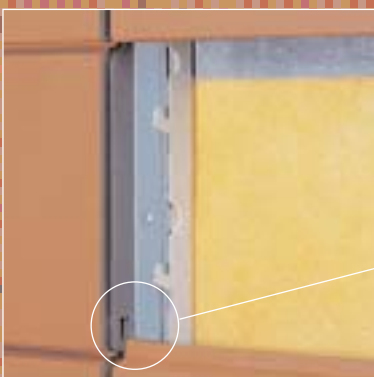
Whether open, closed, coloured or metallic – the metal joint profile of CREATON always constitutes a luxurious and flexible solution that responds to your building or renovation project individually.



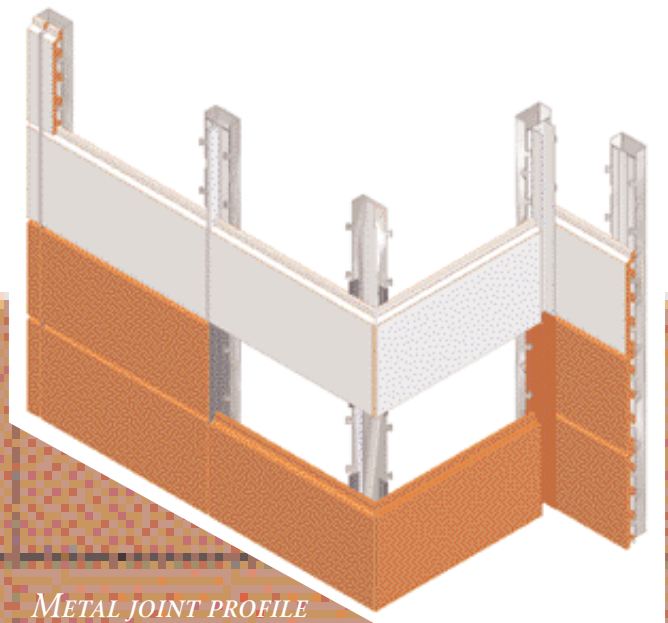
*40 MM PRONOUNCED
WIDE, OPEN JOINT,
BLACK COATED*



*2 MM WIDE,
CLOSED JOINT,
COPPER-BROWN COATED*



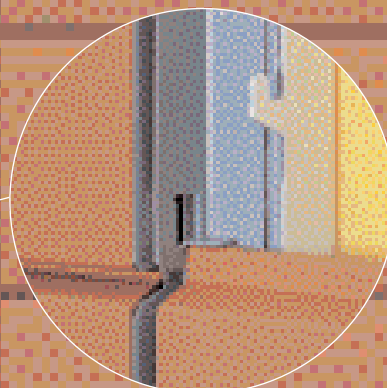
*8 MM WIDE,
OPEN JOINT,
SILVER-GREY COATED*



METAL JOINT PROFILE

*SUB-CONSTRUCTION OF ALUMINIUM:
FLEXIBLE JOINTS WITH CLOSED
(2 AND 8 MM) OR OPEN (2 – 30 MM)
VERSION – OPTIONALLY COLOURED*

*THE VERTICAL EXTRUDED PROFILE
IS ADDITIONALLY AVAILABLE IN
VARIOUS DEPTHS (31 MM, 41 MM,
51 MM, 61 MM).*



*8MM WIDE, OPEN JOINT, SILVER GREY
COATED, WITH ACTIVATED PROTEC-
TION AGAINST DISMANTLING (OPTIO-
NAL, E.G. AGAINST VANDALISM)*

COST EFFECTIVE PIN GASKET SYSTEM.

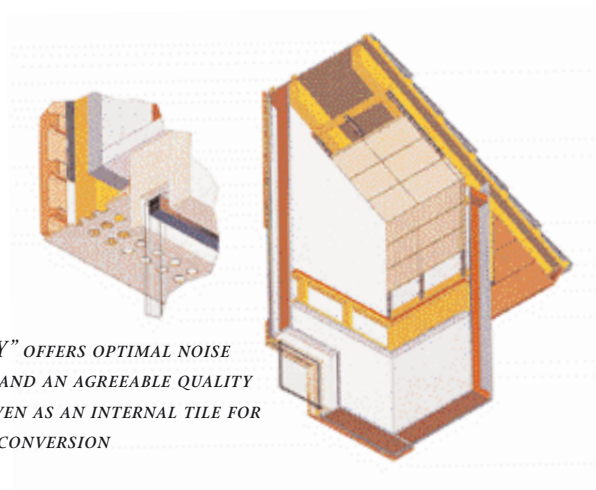
Perfect for every kind of installation

Whether installed on wood for the building of a house or on appropriate metal profiles for the building purposes of industry and trade – in both cases this type of tile cladding is the most cost effective solution.

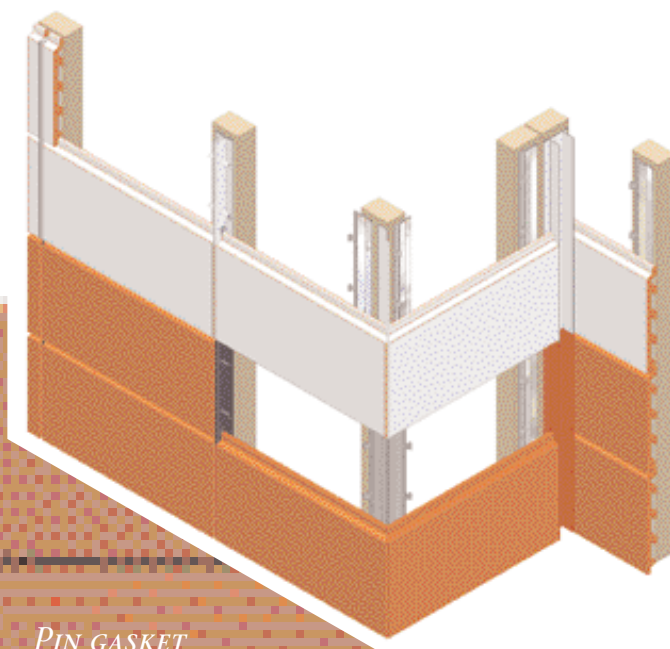


“TONALITY” not only for outdoors

Natural beauty is desired indoors as well. The outstanding good combination of optical accents indoors and optimal noise insulation is a special feature of our “TONALITY” pin gasket system. This way, cladding tiles can be used not only as wooden rafter lining, but even as an individual wall design in living and utility quarters.



“TONALITY” OFFERS OPTIMAL NOISE INSULATION AND AN AGREEABLE QUALITY OF LIVING EVEN AS AN INTERNAL TILE FOR ROOF SPACE CONVERSION



PIN GASKET

AS INTEGRATED JOINT AND INSERTION PROFILE, INSTALLATION ON SIMPLE WOODEN LATHS IS ALSO POSSIBLE

PIN GASKET WITH BLACK COATING, DESIGNED FOR THE 8 MM WIDTH, WHICH PROVED ITS WORTH



SIMPLEST LAYING AND DISMANTLING OF TILES, EVEN IN THE MIDDLE OF ALREADY INSTALLED FAÇADE SURFACES, PRESENTED ON THE EXAMPLE OF THE PIN GASKET HERE



*“TONALITY®” –
CREATIVE CONSTRUCTION.*

*THE EXCITEMENT
IS IN THE DETAIL.*



*THE LOCATING PIN OF THE
FRAMES WILL BE CONCEALED
THROUGH THE SIMPLE INSERTION
OF THE CERAMIC TILES
AND CAN BE USED AGAIN IF
AND WHEN THE NEED ARISES.*



*SIMPLE DRILLING ASSURES HIGH FLEXIBILITY
AND QUICK INSTALLATION.*

An all round system

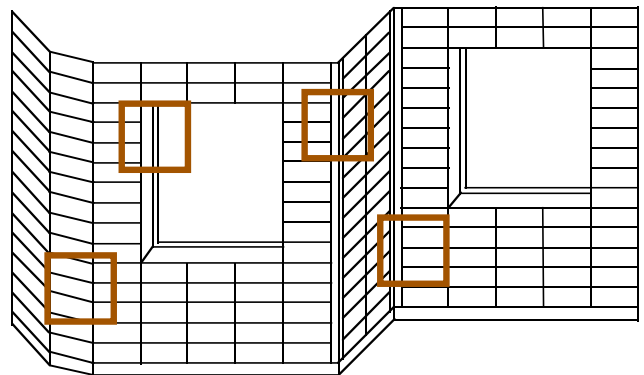
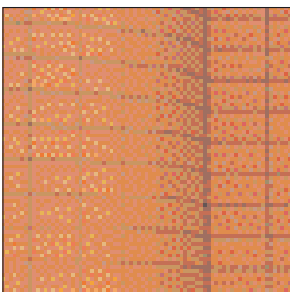
We have attached much importance to the perfect interplay of installation and appearance of the “TONALITY” cladding system. For if the branded products of CREATON are intended to transform European building tradition into contemporary solutions, our partners must be given latitude for play regarding every detail. This is the objective of our new all encompassing system.

Exchange in a blink of an eye

Each individual tile body can easily and quickly be exchanged. This is allowed for by the simple hanging and unhooking of the system. This considerable advantage compared to clamped systems prevents the continuous building deterioration caused by damaged façades. “TONALITY” equates to farsighted value preservation.

Tile locking system

With “TONALITY” the quick exchange is additionally accompanied by a secure protection against dismantling. This simple protection against dismantling is optionally available at any time.



*THE CONVEX SHAPED CLADDING TILE ALLOWS
A PERFECT CREATIVE DESIGN MANAGING EVEN CURVES.*

BEAUTY MUST NOT BE EXPENSIVE.

1. Investment

“TONALITY” will offer you all the benefits of a high quality ceramic façade combined with unbeatable value for money. Series production in the most European production lines allows for unprecedented quality and acquisition costs.

2. Building preparation

The highest possible degree of off-site prefabrication – away from the building site – will provide optimal preparation. With the “TONALITY” system, the schedule will be absolutely flexible. Installation will not be affected by weather conditions at any time.

3. Installation

Time is money and “TONALITY” installation is quick. Due to its sophisticated construction – and thus only few anchorage points – the work involved for the positioning and drilling of the boreholes is reduced considerably. Tile bodies are inserted without any additional retaining clamps. Insert them and there you are!

4. Maintenance

If you decide in favour of “TONALITY” you eliminate undesired maintenance costs from your future planning. As the high-quality CREATON façade requires low maintenance and is dirt-repellent. Even repairs or the entire redesign are a simple matter. Each cladding tile can be individually exchanged by non-destructive means.



*“TONALITY®” –
CREATIVE ECONOMIC
VIABILITY.*

*ECONOMIC VIABILITY AT
THE POWER OF FOUR – TO MAKE
CREATIVE BUILDING DESIGN PAY
FOR EVERYBODY!*



*“TONALITY®” –
CREATIVE SUN AND SIGHT
PROTECTION.*

*MODERN
ARCHITECTURE WITH
BAGUETTE TILES.*



GREAT VARIETIES OF FAÇADE MATERIALS ALLOW COMBINATIONS WITH THE BAGUETTE TILES.

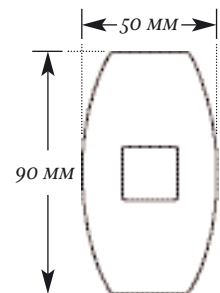
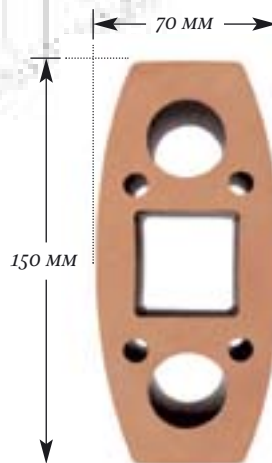
This is a must

Truly creative cladding design also offers the possibility to integrate sun and sight protection into the building design from the beginning. The “TONALITY” Baguette tile is the ideal perfection of the “CLASSIC” cladding tile. It matches well with the kiln-fired façade and additionally allows for an appealing architecture even as a harmonious element of design in combinations with metal, ceramic, glass and plastered façades.

Indoors or outdoors, horizontally or vertically

The prefabricated elements are available in two standard sizes and can quickly be installed on the building site. Whether on the external walls of downtown buildings – within the protection of historic monuments, for instance – or used as dividers in the course of the completion of interiors, Baguette tiles of CREATON excite due to the popular aesthetic appeal of “TONALITY”. In the event of large-scale building projects, we would be pleased to also offer you the tiles in special formats of up to 450 mm length. It is entirely up to your creativity, whether you arrange the CREATON Baguettes vertically or horizontally, lengthwise or crosswise. Even the sub-construction of steel or aluminum offers much room for design – in the choice of colours, shades of black or the metallic appearance.

*“TONALITY”- BAGUETTE:
STANDARD FORMATS, AVAILABLE IN
ALL THE COLORS OF OUR
“TONALITY”- “CLASSIC”
CLADDING PROGRAMME.*



**QUALITY – GUARANTEED
AND LONG-LIVED.**



Certified Warranty

- building regulations for “TONALITY” cladding system approved according to DIN 18516 through the German Institute for Building Technology (DIBt) in Berlin
- production of the cladding tiles in accordance with the Quality Management System DIN EN ISO 9001 and Environmental Management System DIN EN ISO 14001

**Long-lasting color retention
without additional treatment**

The finest processing of our raw materials secures the extremely dense structure of the entire tile body, with a high level of waterproofing being the result. This reduces the soiling risk of the façade and prevents additional tile treatment. Resulting in silicisation not being necessary.



“TONALITY” IS MANUFACTURED IN THE MOST MODERN KILN-FIRED TILE PRODUCTION PLANTS IN EUROPE. CLADDING TILES OF THE HIGHEST QUALITY ARE THE RESULT OF THIS STATE-OF-THE-ART TECHNOLOGY.

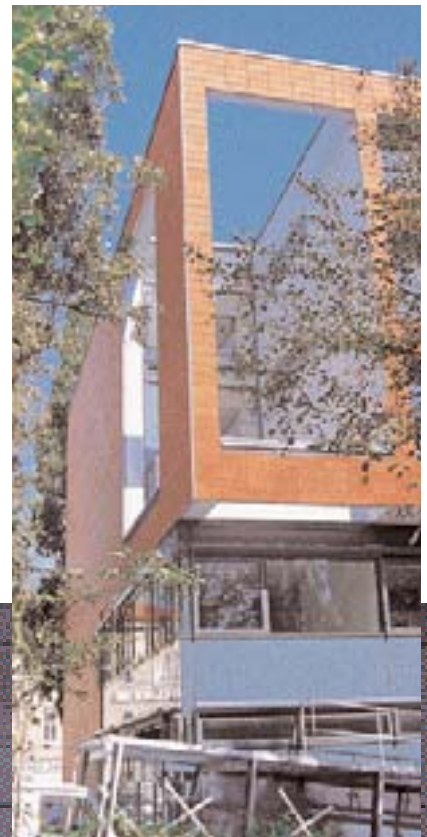
CREATON AG

Z-33.1-567

ALL GLAZED AND ENGOBED PRODUCTS ARE, OF COURSE, OFFERED IN ACCORDANCE WITH THE TRUSTED CREATON QUALITY STANDARD, WITH HIGHEST SCRATCH AND SHOCK RESISTANCE.

*ONE CREATIVE SOLUTION
TO ALL CHALLENGES:
“TONALITY®” STANDS READY.*





*WITH “TONALITY®” OF CREATON,
YOU MADE A DECISION IN FAVOUR OF THE PRACTICAL
AND EVERLASTING BEAUTY OF ANY PROJECT.*



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CREATON 
NATURAL CLAY SETS THE TONE