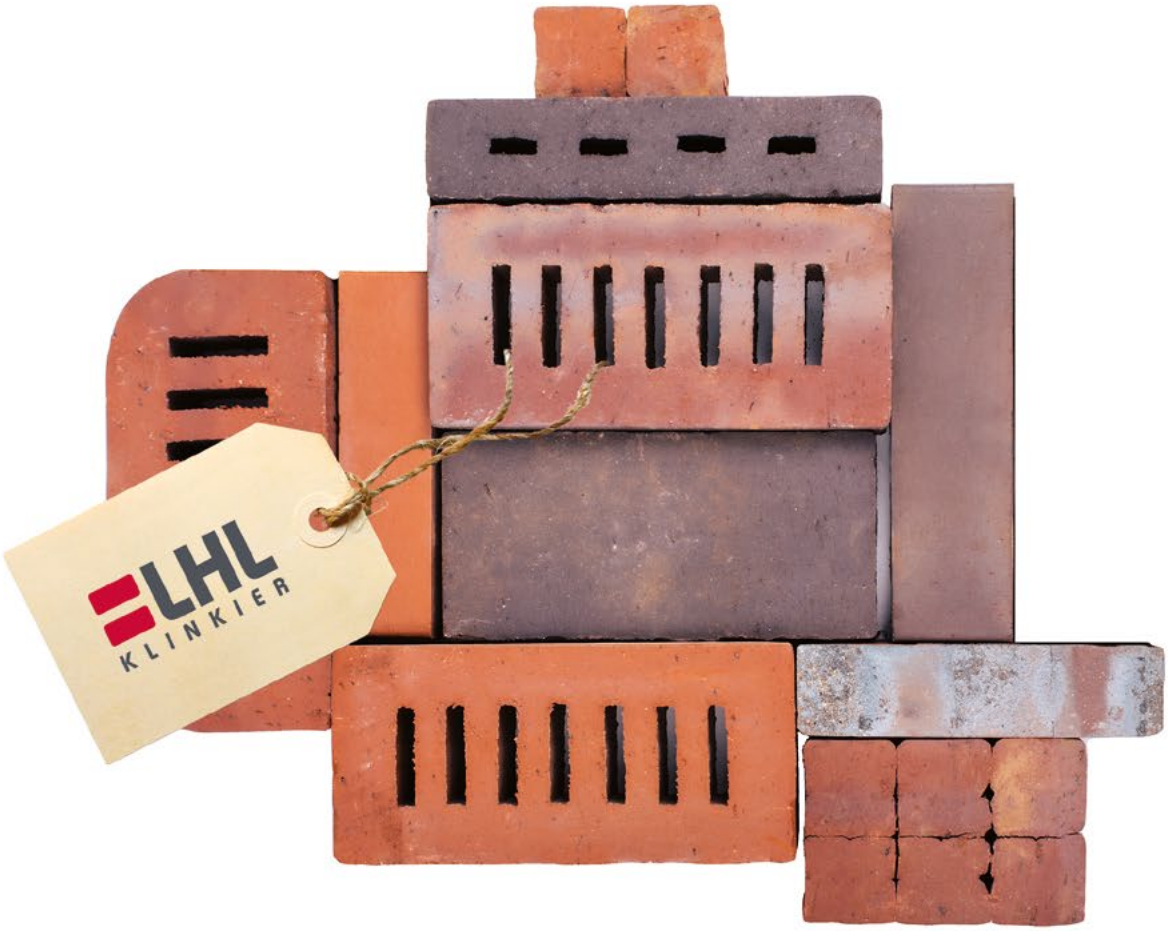
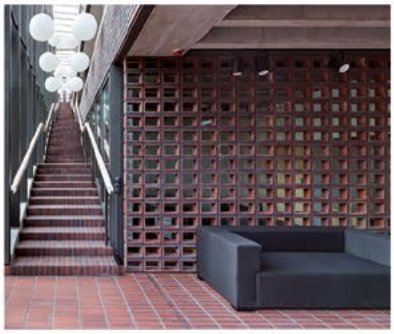
LHL Klinkier



Fencings and barbecues
Facades and interiors – Driveways and terraces






Clay bricks – Brick slips – Pavers

www.klinkier.pl/en

| Rustika

LHL KLINKIER OFFER

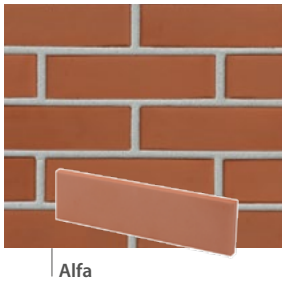
High quality, beautiful, timeless ... Clinker bricks, slips and pavers are made of natural materials which harmonize with the surrounding landscape. They can be a stylish addition to an avant-garde interior or a warm finish to a cosy house. The customers appreciate their durability, beautiful colours and textures, while the designers value their unlimited design possibilities.

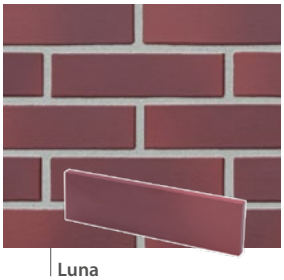
Clinker and handmade **BRICKS** and **SLIPS**


Wenus


Sahara


Solaris


Alfa


Luna


Alt Tessin


Toba


Rustika


Antika


Syriusz Cieniowany


Salsa

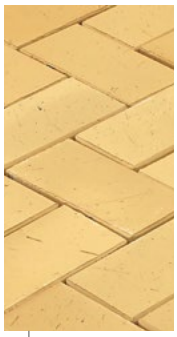

Nevel


Lauda

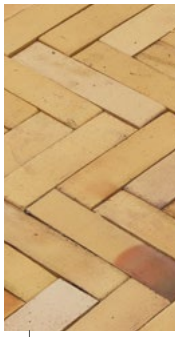

Lima


Izera

Clinker **PAVERS**

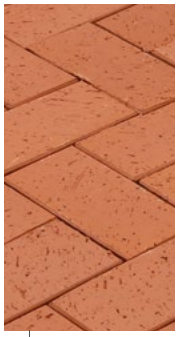

Sahara


Solaris


Alt Solaris

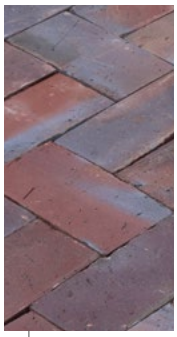

Gobi


Argon


Kalahari

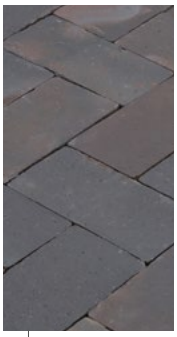

Staromiejski


Lava

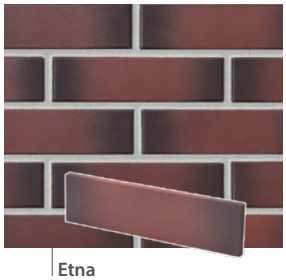

Antika


Mozaika


Tybet


Tytan

The actual colors of the products shown in this brochure may differ from those shown in the photographs. It is influenced by variables daylight, printing technology, naturalness of our products (possible color differences between production batches) and even the color of the joint used, which can be seen in the example of Nevel brick on page 20. We will have a different color impression especially in the case of products with shaded colors like e.g. Sotis brick, Argon paver or hand-formed bricks and slips.


Etna


Gotika


Classic


Alt Deco


Alt Classic


Sotis


Tybet Cieniowany


Galaxy


Carbon


Mooi

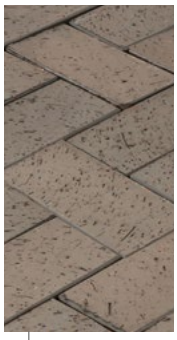
PLEASE VISIT OUR TEXTURE CONFIGURATOR

TEXTURE CONFIGURATOR 2D

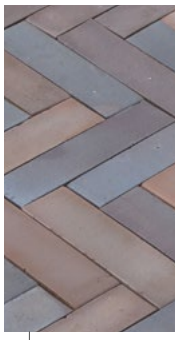

Classic


Alt Classic

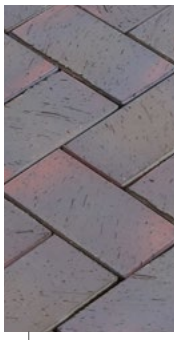

Slip Classic Smooth


Wega

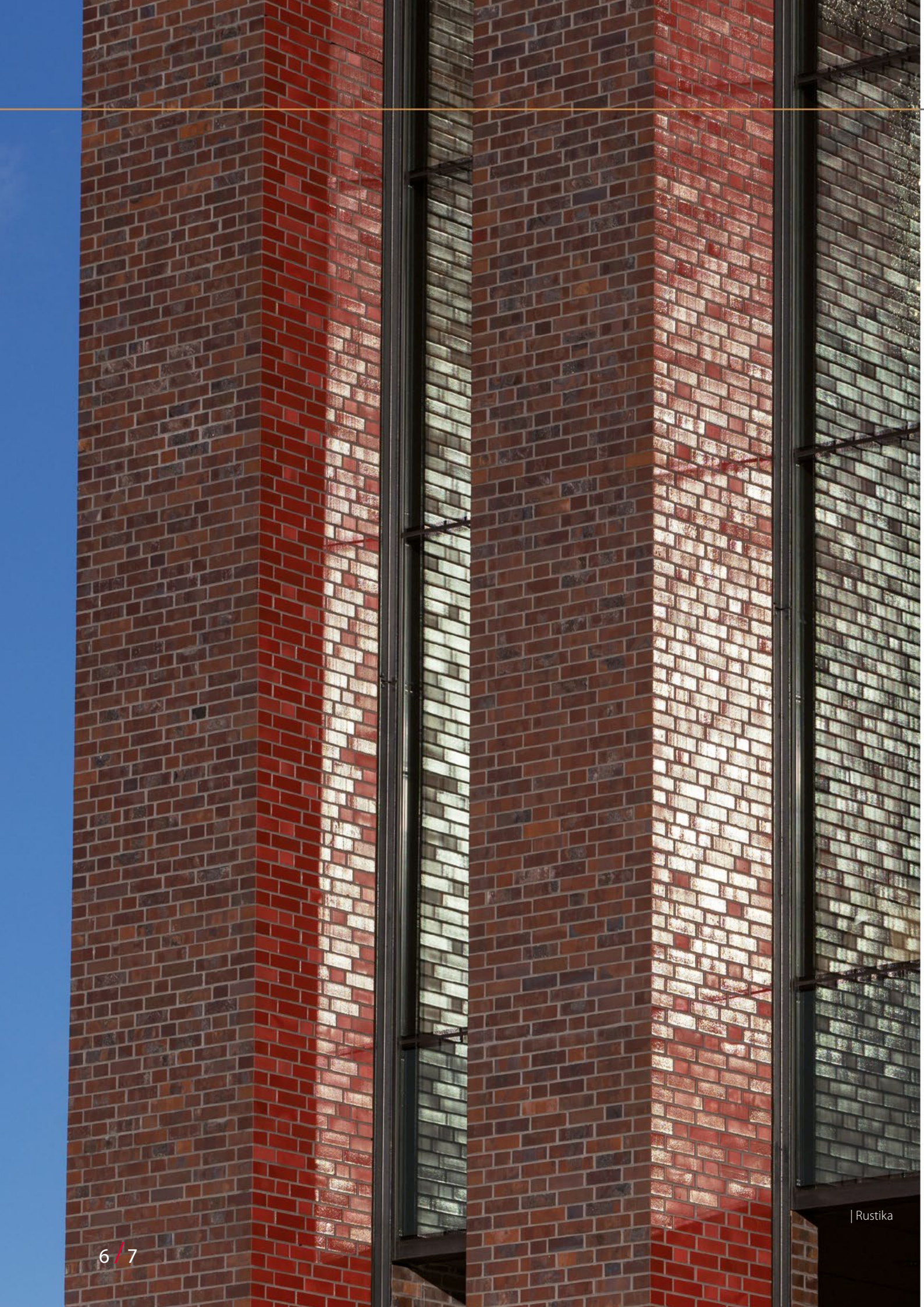

Toba


Alt Toba


Orion


Etna

The shadows on each piece of these bricks are really various, therefore, two facades made of them will different. In particular, the variety of bricks faces can be seen on Patoka products, on whichmetallic burns, slags and shadows make hard to find two identical products. Additionally, Patoka products have small spalls on the edges and cracks as a part of the rustic look and the specific, desirable feature of all Patoka products.



| Rustika

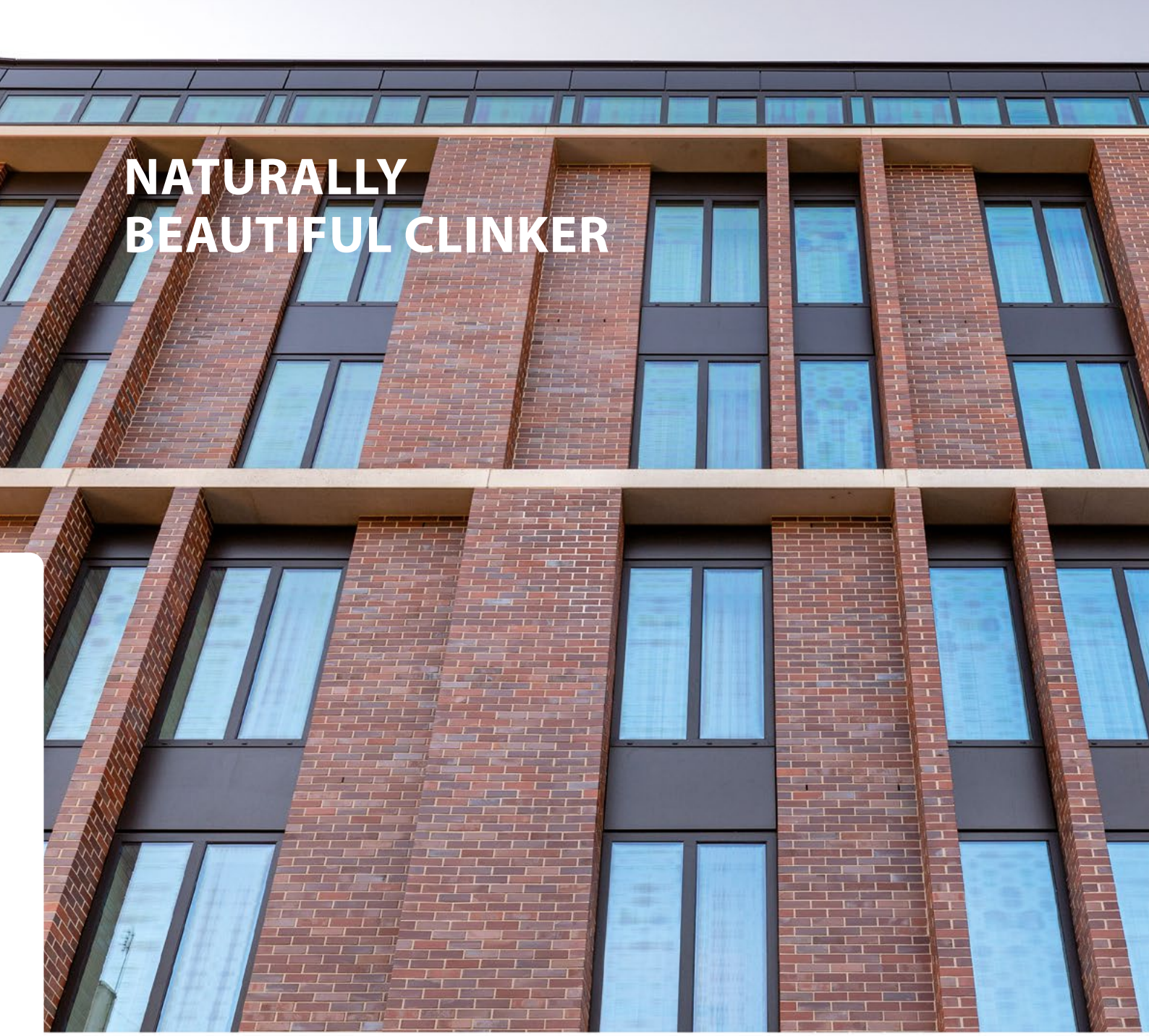
BRICKS AND SLIPS

| Etna

| Alt Tessin

| Sahara

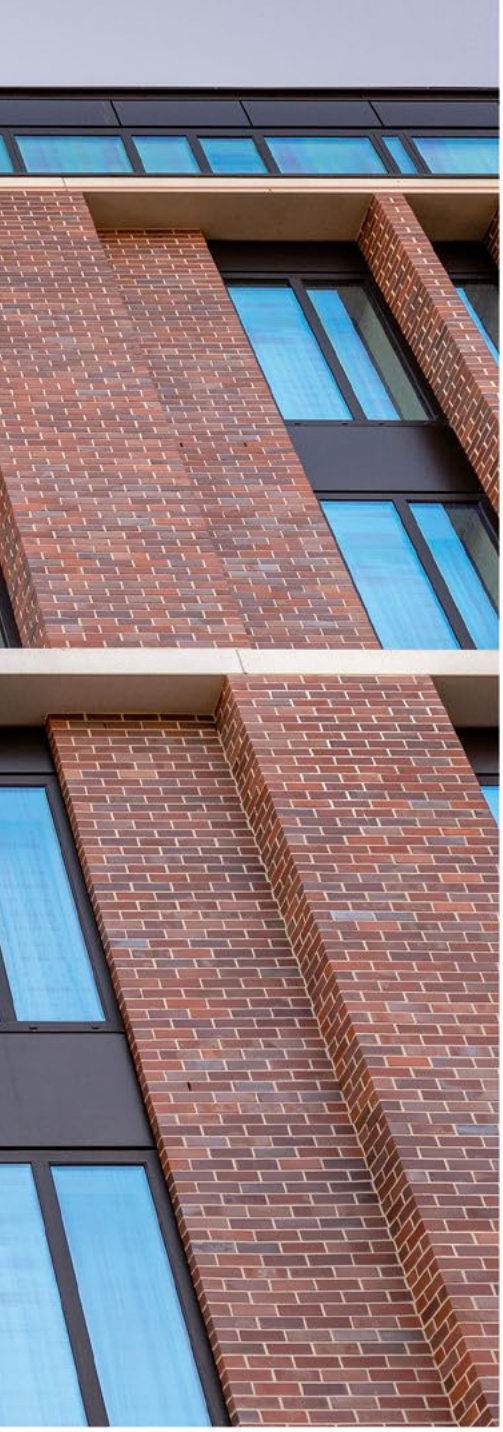
NATURALLY BEAUTIFUL CLINKER



When building a house or arranging a flat, we think about the final result and atmosphere we would like to create. We do our best to design ideal functional solutions that would match our lifestyle and standards. Selection of proper materials is also an important issue. They should be durable, natural and environmentally-friendly, but they should also inspire us on an everyday basis with their aesthetics. The LHL Klinkier clinker bricks and slips are exactly like that. The range of available colours and textures is very wide, which is why we present our products as part of specially selected collections. We believe that mere watching of them will evoke in you wonderful memories and associations ranging from sunny beaches, fresh and crystal clear streams, to the warmth of a fireplace..

Choosing products from your favourite collection will surely help you create in your house, interior or garden an individual and unique atmosphere. The number of applications is virtually infinite, the more so because our products are used increasingly more frequently not only in facades or gardens, but also in original decorations of bathrooms, kitchens or living rooms. Our products perfectly suit both a subdued and warm rustic style and a modern minimalism. They can cover entire surfaces or be a single, original decorative element. Depending on the concept, they may calmly blend in with the background or be an eccentric accent. We hope that our products will stir your imagination and help you make your dreams come true.

LHL KLINKIER



| Classic

WHY CHOOSE CLINKER?

- It guarantees a durable and elegant facade for many years to come. It doesn't require renovations or repairs, as the low absorbability of bricks and slips reduces the ingress of dirt into the cladding structure, and thus makes it more resistant to dirt.
- It increases the value of investment. The cost of clinker slips and bricks used for the facade accounts only for a few percent of total costs of the building. They considerably improve the aesthetics of the building and its surroundings.
- It is fire resistant.
- It is completely frost proof and resistant to chemical and biological corrosion, as well as to fungi, algae and moss that may cause allergy.
- It has high mechanical strength..
- It provides perfect acoustic insulation for cavity walls (clinker is a non-flammable product, it prevents the fire from moving from storey to storey).
- It ensures a proper micro-climate in summer and thermal confort in winter (for cavity walls).
- It is environmentally friendly – made only of clay and sand.
- It is available in a wide variety of colours of bricks, slips, pavers, and a full range of shaped clinker bricks.
- It can be easily combined with other materials, such as wood, glass or aluminium.

| Syriusz Cieniowany

| Alfa

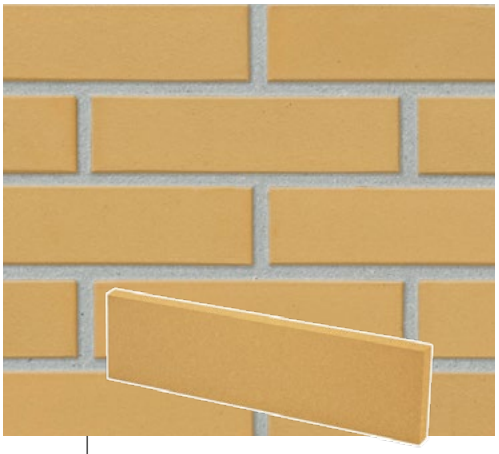
| Classic

| Wenus

Clinker **BRICKS** and **SLIPS**

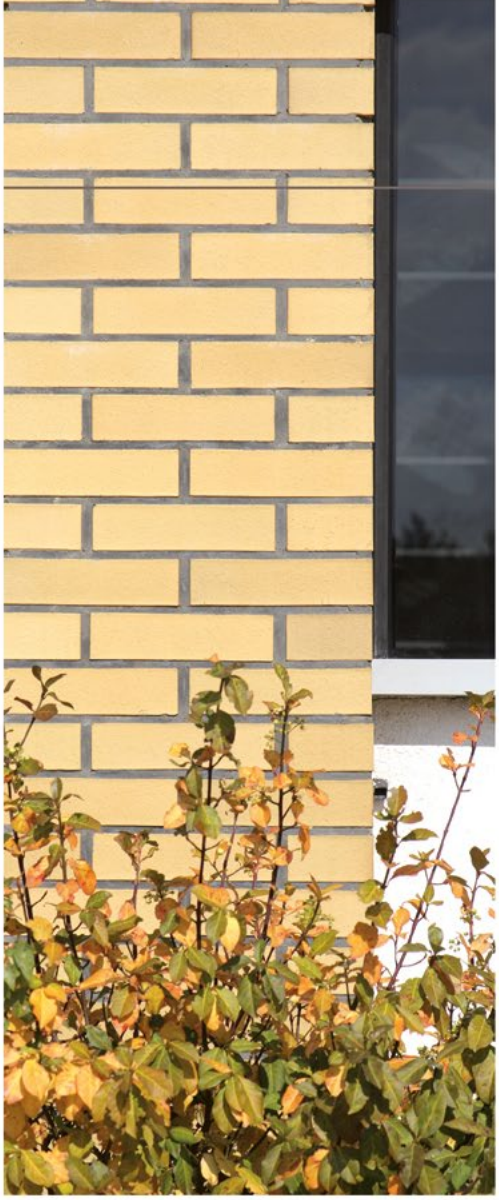
Availability of products in different formats - please contact us by mail: export@klinkier.pl

Wenus



Sahara

Solaris



| Sahara

| Sahara

LHL KLINKIER

PLEASE VISIT OUR TEXTURE CONFIGURATOR

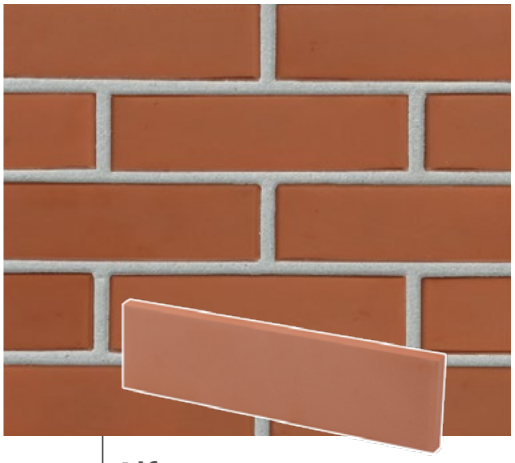
TEXTURE CONFIGURATOR 2D

| Alfa

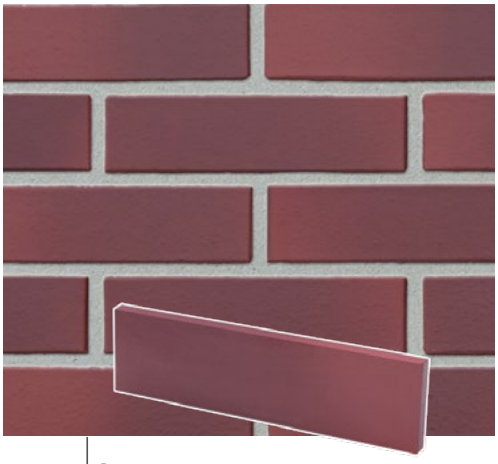
| Gotika

Clinker **BRICKS** and **SLIPS**

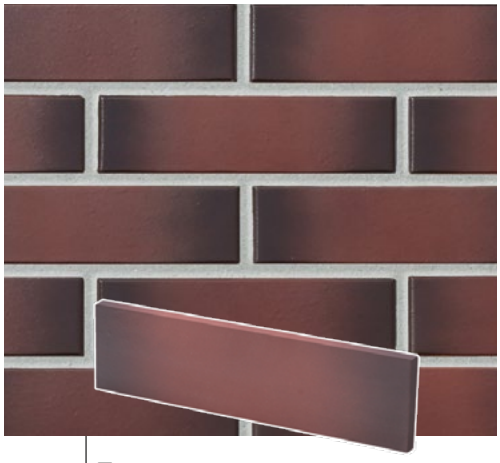
Availability of products in different formats - please contact us by mail: export@klinkier.pl



Alfa



Luna



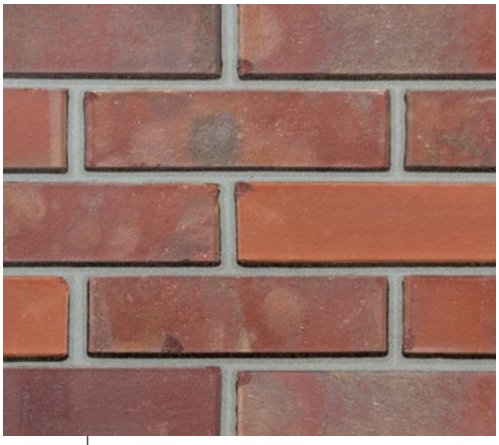
Etna

re

Clinker and handmade **BRICKS and SLIPS**

| Classic

LHL KLINKIER



Gotika

Classic

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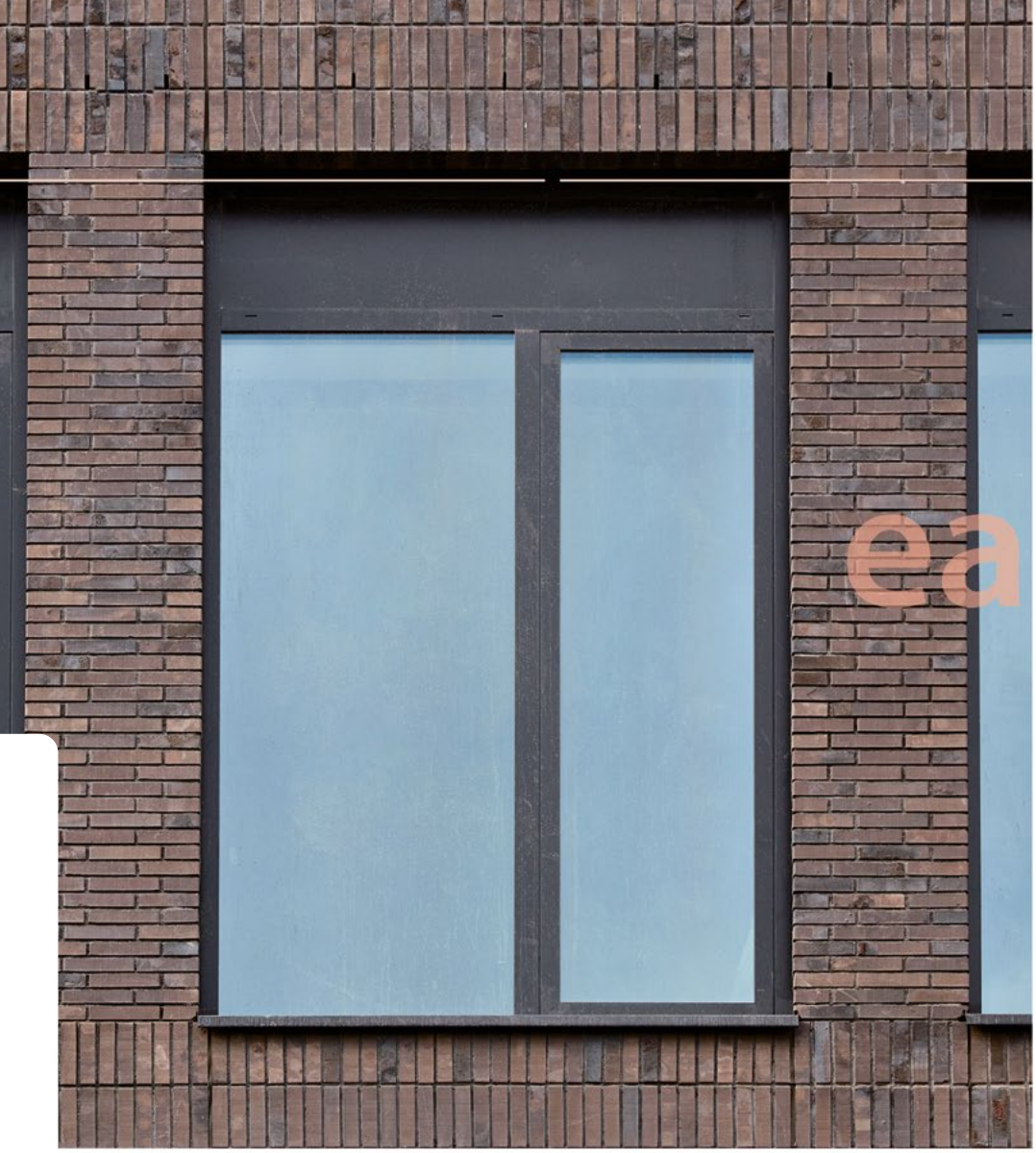


| Alt Tessin

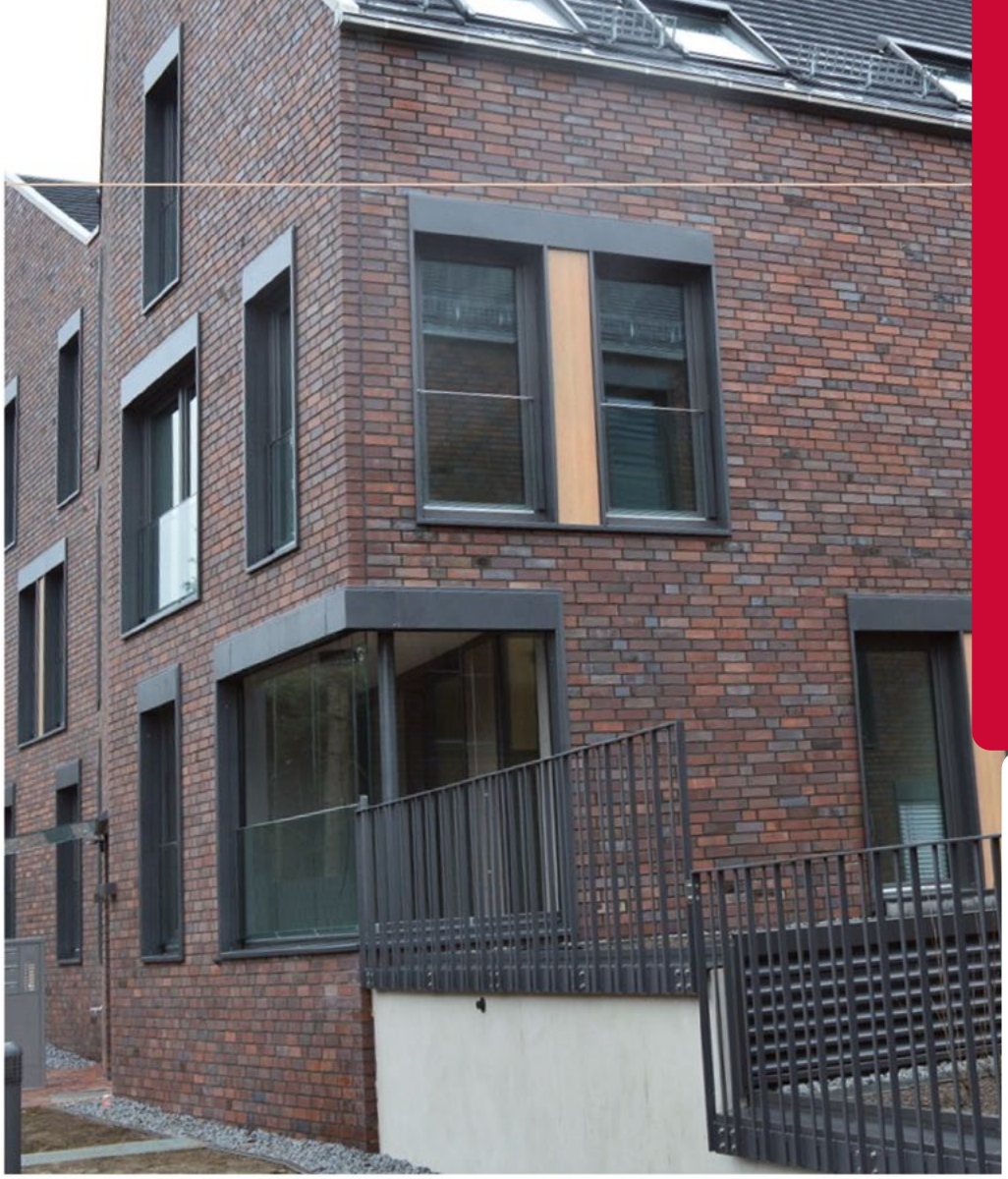
Clinker **BRICKS** and **SLIPS**

Availability of products in different formats - please contact us by mail: export@klinkier.pl

Alt Deco

Alt Classic

Alt Tessin

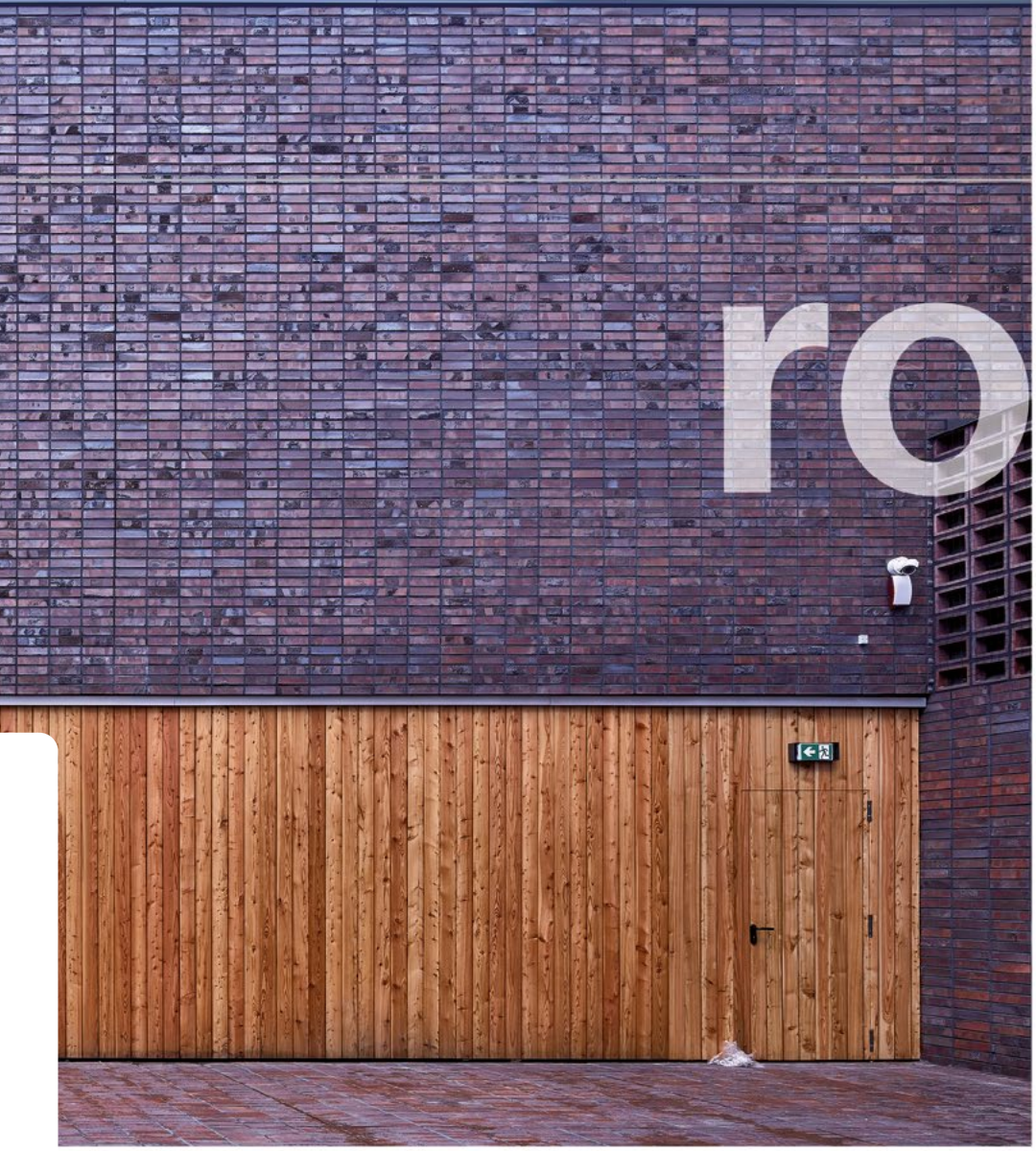


| Alt Classic

LHL KLINKIER

PLEASE VISIT OUR TEXTURE CONFIGURATOR

TEXTURE CONFIGURATOR 2D



rock rock

| Rustika

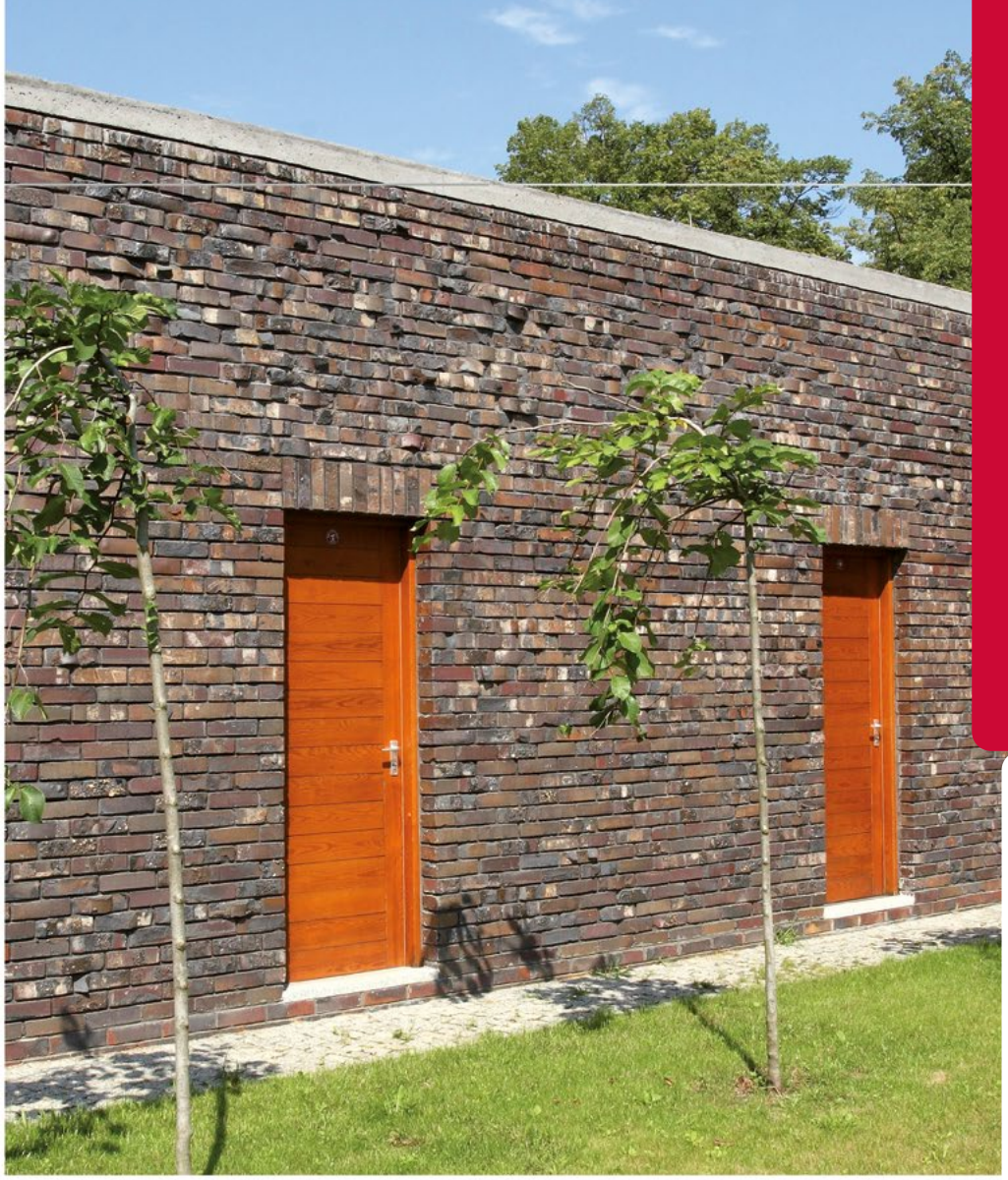
Clinker **BRICKS** and **SLIPS**

Availability of products in different formats - please contact us by mail: export@klinkier.pl

Toba

Rustika

Antika



Clinker and handmade **BRICKS and SLIPS**

| Antika

LHL KLINKIER

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TEXTURE CONFIGURATOR 2D

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water

| Tybet Cieniowany

Clinker **BRICKS** and **SLIPS**

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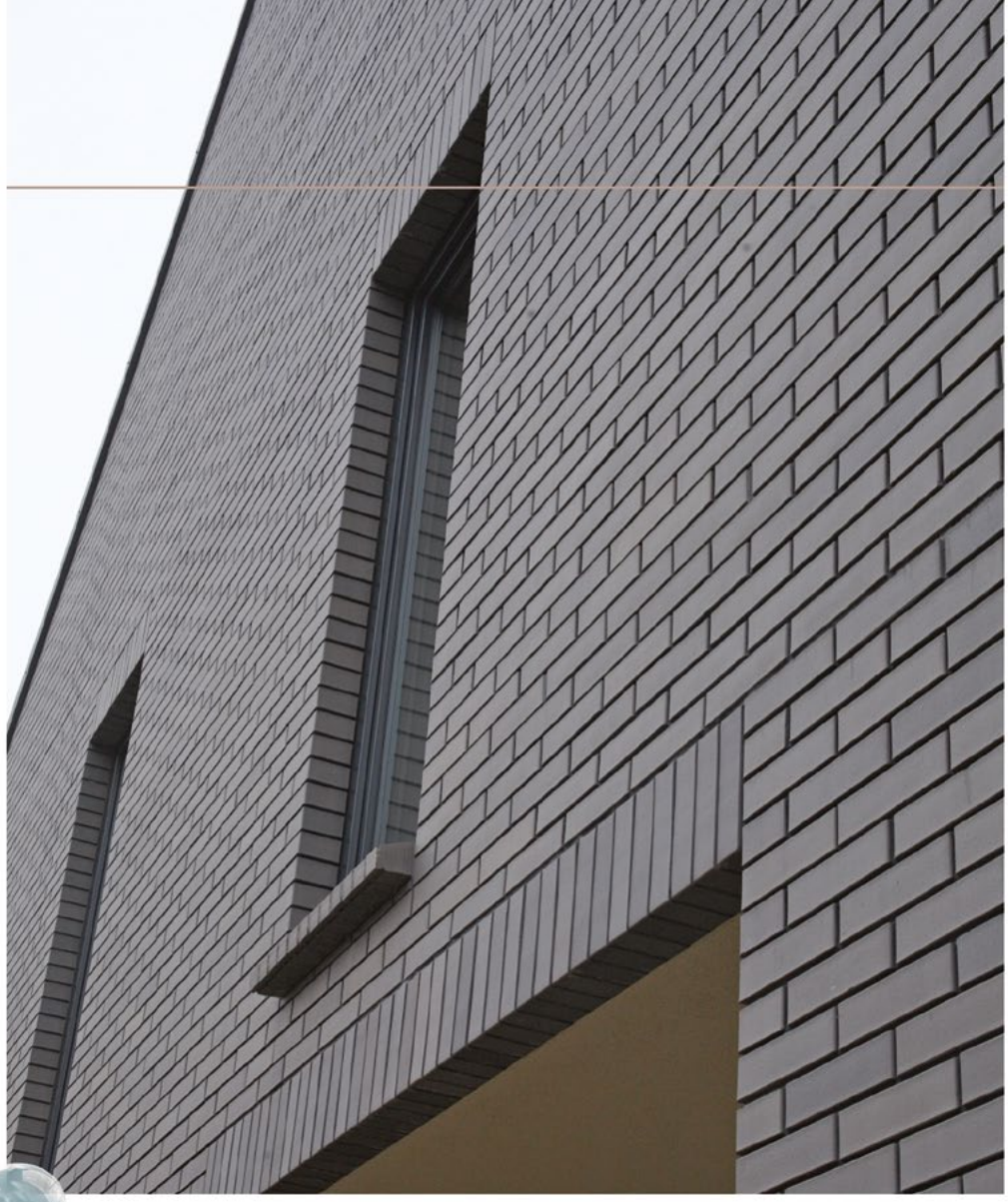
Syriusz Cieniowany

Sotis

Tybet Cieniowany



Syriusz Cieniowany

Galaxy

Clinker and handmade **BRICKS and SLIPS**

LHL KLINKIER

Galaxy

Carbon

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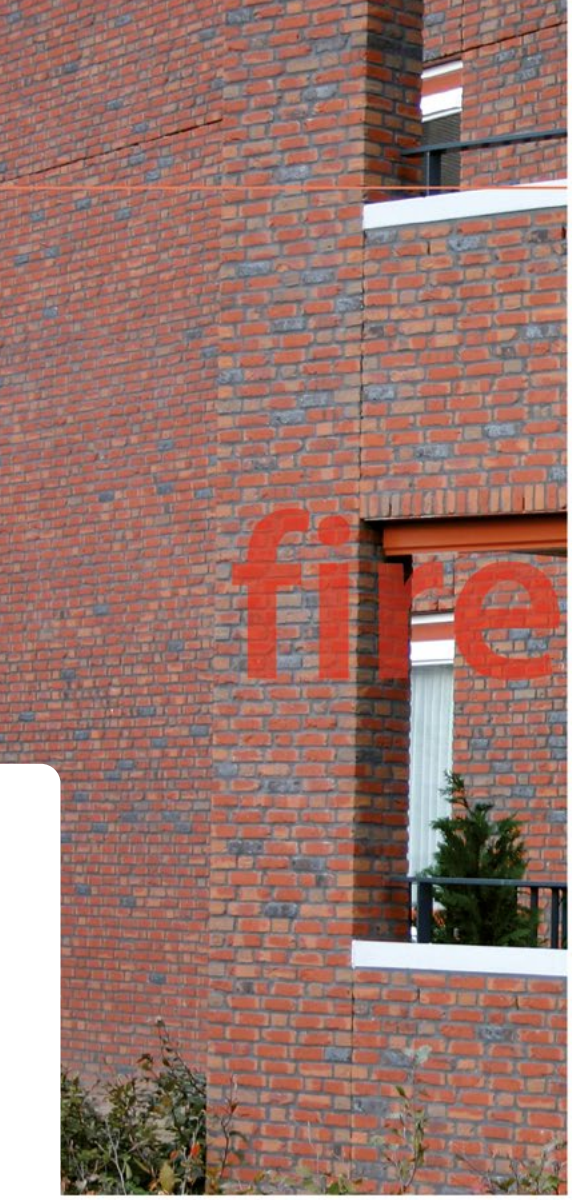
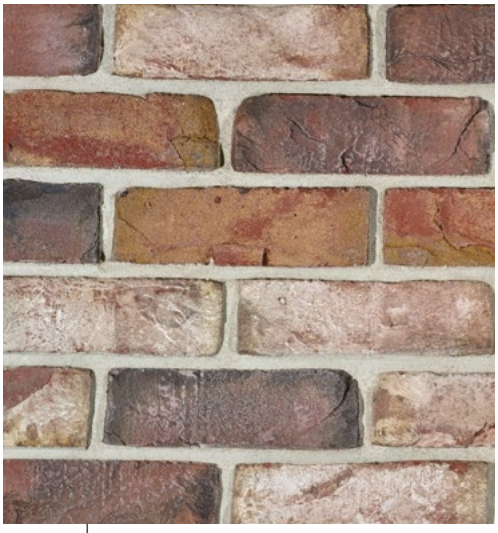


| Lauda

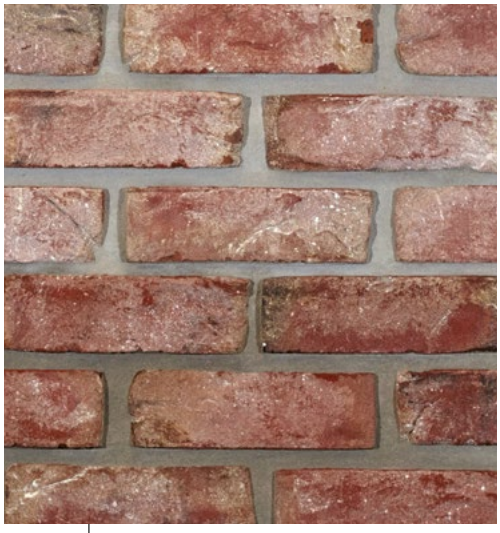
Handmade **BRICKS**

Availability of products in different formats - please contact us by mail: export@klinkier.pl

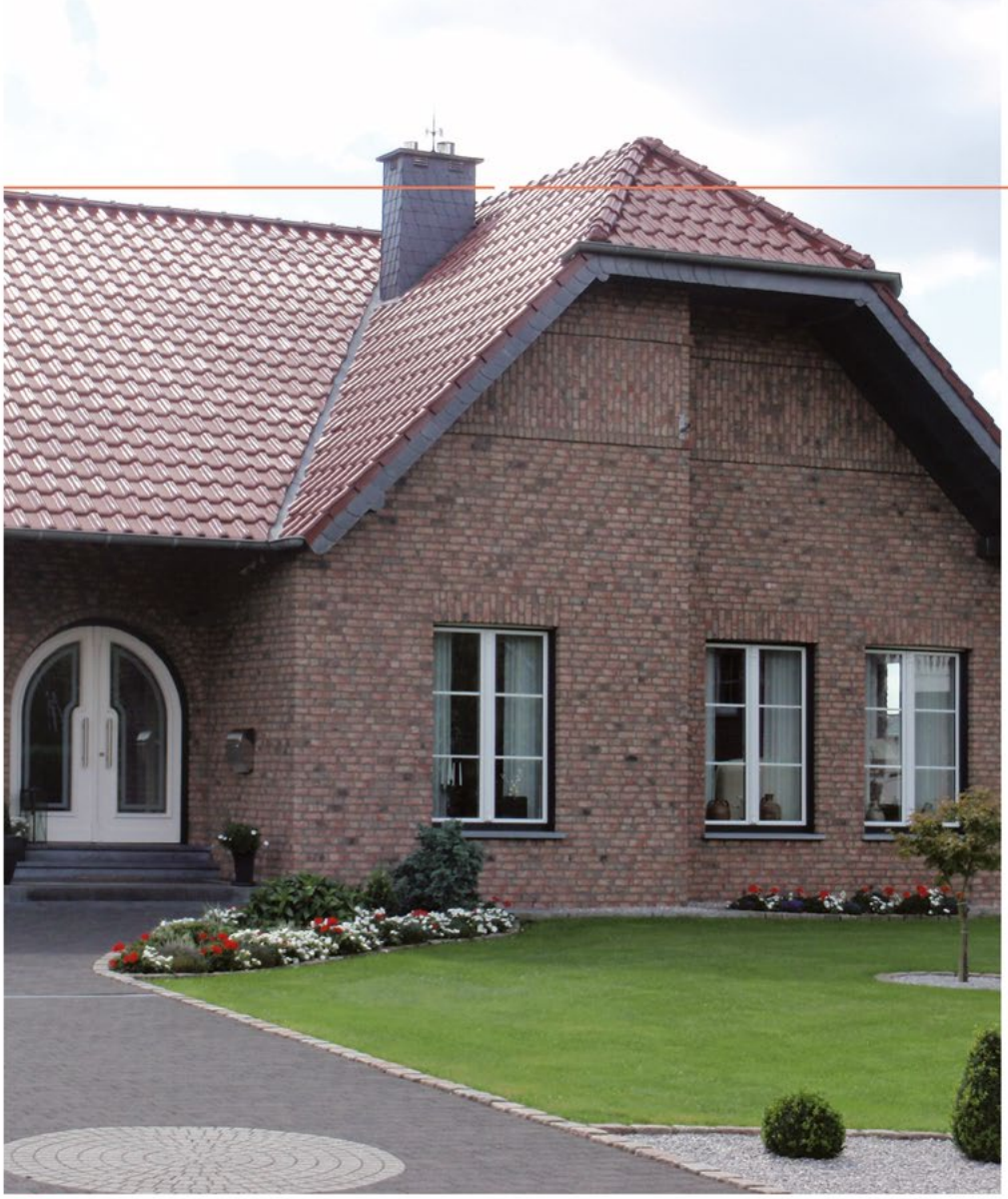
Mooi



Salsa



Nevel



Nevel

Salsa

The photos of Mooi and Nevel bricks are shown with two shades of joint. It affects significantly different color perception of these products.

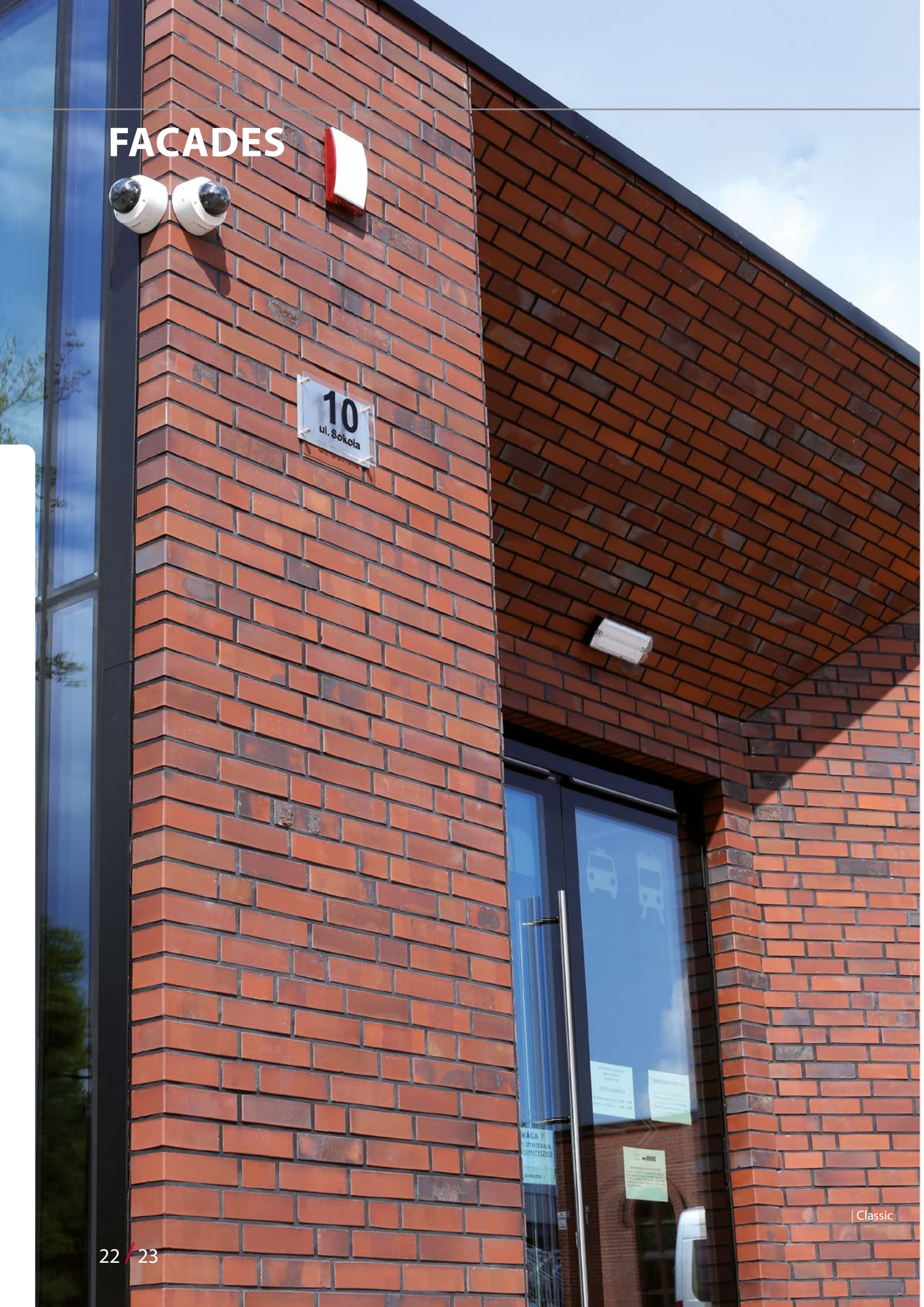
LHL KLINKIER

Lauda

Lima

Izera

FACADES



| Classic

INSPIRATIONS

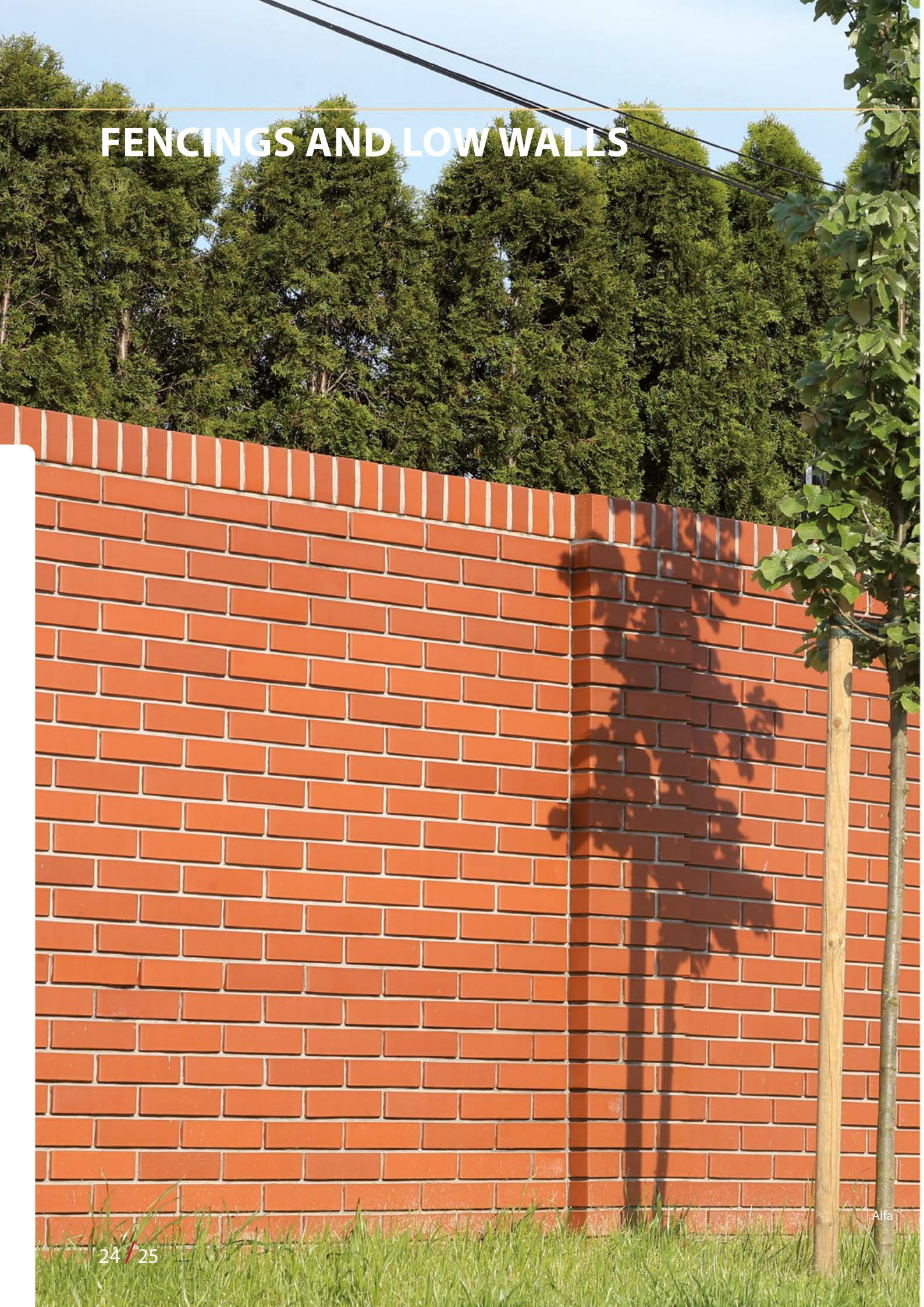
| Syriusz Cieniowany

| Rustika

| Sahara

| Tybet Cieniowany

FENCINGS AND LOW WALLS



Alfa

Clinker and handmade **BRICKS and SLIPS**

INSPIRATIONS

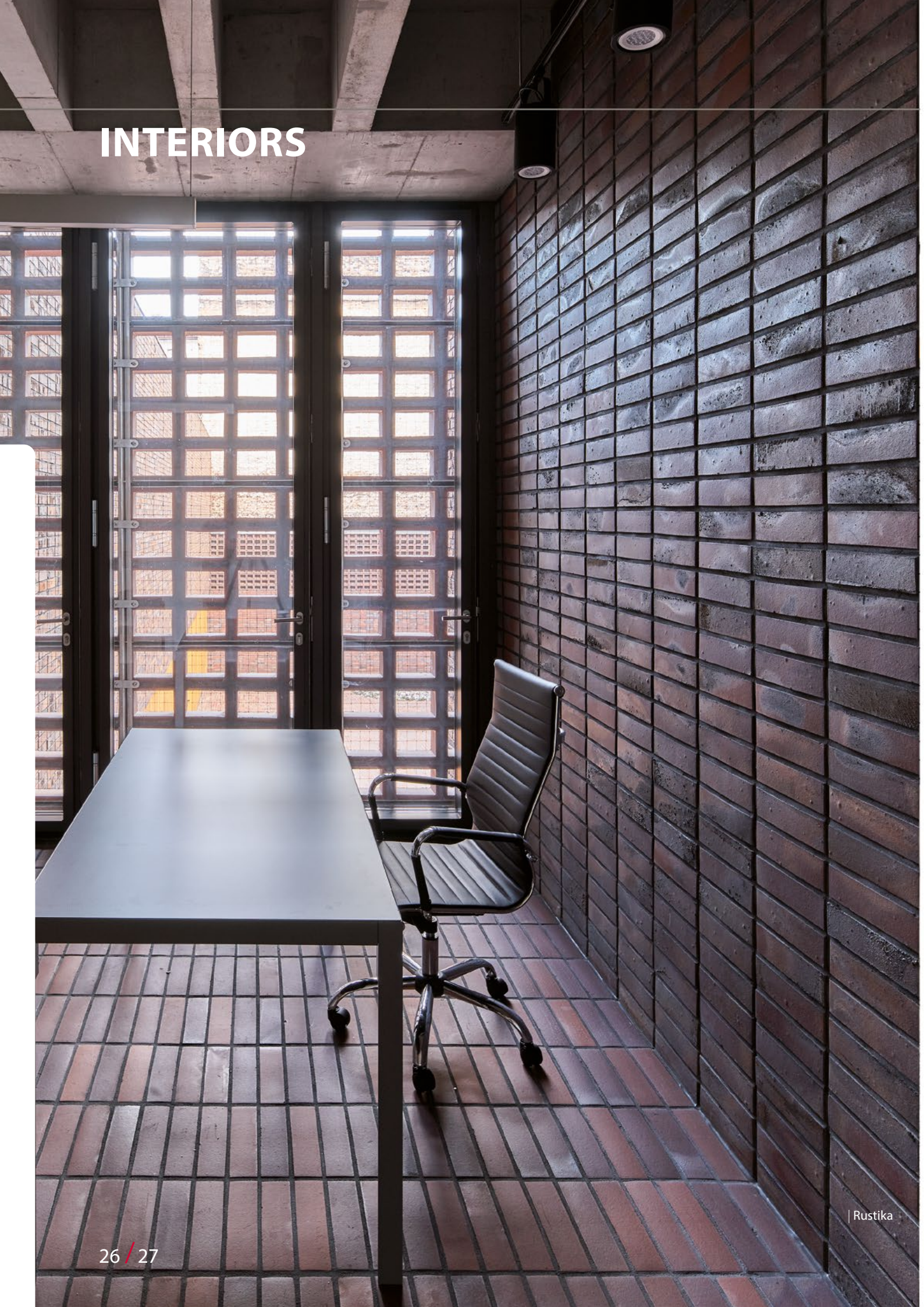
| Antika

| Classic

| Sahara

| Rustika

INTERIORS



| Rustika

Clinker and handmade **BRICKS and SLIPS**

INSPIRATIONS

| Rustika

| Syriusz Cieniowany

| Classic

| Galaxy

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CHIMNEYS, FIREPLACES AND BARBECUES

| Classic, Rustika

Clinker and handmade **BRICKS and SLIPS**

INSPIRATIONS

| Rustika

| Classic

| Sahara

| Gotika

FACADES – Clinker or plaster?

Clinker bricks / slips	Plaster
	
Material	
Ceramics – selected, high-quality clay fired at 1000°C. Ecological material – natural and durable.	Mixture of filler and texture aggregates connected (depending on the type of plaster) with one of the following binding materials: • mineral: cement, calcareous binders or their mixture, • silicon: organosilicon binders with addition of water-based acrylic resin dispersion, • silicate: potassium water glass, • acrylic: organic binders, mainly acrylic-styrene binders.
Resistance to mechanical damage	
Very high – a curtain wall made of brick protects the remaining layers against adverse weather conditions and mechanical damage. It is also resistant to e.g. hailstorm. A facade made of clinker bricks is massive (115–120 mm thick), so it is resistant to damage. One can save on repairs.	Poor or no resistance to mechanical damage – plaster is not resistant to mechanical damage because of its small thickness (1–3 mm). The strength of plaster is mainly based on the reinforcing layer made of acrylic mesh. Plaster facades are not resistant to hailstorm.
Resistance to staining	
Resistant – a compact and solid structure (ceramals) guarantees a very tight surface of extremely low absorbability (3–4%), thanks to which it is completely washable. Using an anti-graffiti cleaner one can even remove graffiti from a clinker facade. High resistance to staining and easy maintenance.	Poor or no resistance to staining – because of its porous structure. Mineral plasters are highly susceptible to structural staining, because of their coarse grain structure. The resistance of acrylic plasters is quite similar because of their thermoplasticity and electrification of resins. Minimum resistance to staining is only characteristic of silicate and silicon plasters.
Colour	
Durable and resistant to fading – uniform colour across the entire material. A wide selection of colours is obtained by using various clays, which fire naturally into several colours without any artificial additives or dyes. Life-long colour warranty.	Non-durable and non-resistant to fading – only white colour is natural. The other colours are obtained by adding artificial dyes, e.g. iron oxides or phthalocyanines.
Renovation	
No – clinker products do not need to be renovated – one can save time and money.	Yes – which is time-consuming and expensive.
Fire resistance	
Fire-proof – the brick is "born in fire" – it is fired at high temperature of 1000°C. Fire resistance class (REI) = 120 minutes.	Non-flammable/ flammable – depending on the type of plaster. Mineral plasters – cement, calcareous binders or their mixture: • mineral, silicon, silicate plasters: non-flammable, • acrylic – flammable. Fire resistance class (REI) = 60 minutes.
Resistance to weak acids	
Resistant – it is a natural feature of ceramics, because during the firing process the clay used to produce clinker changes its structure into a non-reactive form. Therefore, it becomes resistant to acids (e.g. acid rains), detergents and other caustic agents. Easy maintenance.	Not resistant – plasters due to their structure and chemical composition (applied aggregate and binding material) are not resistant to acids and acid solutions. In order to protect the surface from acid the plaster needs to be coated with epoxide resin.

Prepared on the basis of: PN-EN 771-1 "Requirements concerning masonry elements. Part 1: Ceramic masonry elements", PN-EN 14411 "Ceramic slips and panels – definitions, classification, characteristics and marking", PN-EN 13914 "Design, preparation and manufacture of outdoor and indoor plasters. Part 1: Outdoor plasters", product data sheets, documentation of the manufacturers of bricks, slips and facade plasters, as well as publications of research institution staff.

FACADES AND INTERIORS
– the rules of proper performance

Remember to
- calculate well the amount of material to be used to perform the works, allowing for a 3–5% reserve, before placing your order,
- order products from the same production batch; ceramic products are natural materials and particular batches may slightly vary in shades and sizes,
- if you order clinker products from different batches, check whether the bricks / slips are of the same shade and size. If they are not, you should carefully mix the products from different pallets to make the colour of the facade uniform,
- measure the facade before commencing the masonry works to avoid unnecessary cutting,
- mix bricks / slips from different pallets to achieve the effect of melange, while laying clinker products from the same batch.

Storage
- clinker bricks stored on a building site should not be exposed to any contamination, such as binding materials, mortar or concrete,
- clinker slips should be stored in their original packaging in an area where they will not be exposed to damp, dirt or mechanical damage.

Preparing the mortar / adhesive
- check the water absorption properties of the purchased bricks to choose the adequate type of mortar,
- use pre-mixed masonry mortars for laying the bricks. The preparation of mortar involves adding a specified amount of water to the dry mix. Always follow the manufacturer's instructions given on the packaging. Do not add any extra water to the mortar during the works, otherwise differences in mortar shades may occur,
- for slip laying we recommend ready-made flexible adhesives designed for external ceramic slips. When selecting the adhesive, take into account the type of the substrate, the working conditions and the surface preparation method.

Brick and slip laying
- when laying the bricks / slips, take the bricks / slips from several pallets or packs in the same time, to minimize slight colour differences between particular production batches and to make the colour of the facade uniform,
- use clean tools, when laying the bricks / slips. Keep the workplace in good order,
- clean immediately any dirt, including mortar staining, with a dry soft brush or with clean water and a damp sponge to prevent it from caking,
- do not lay any bricks or slips during rain or frost. When it rains, the water washes out the mortar from joints, causing difficult to remove cement stains. When there's frost, the water simply freezes in the mortar instead of setting it, which reduces the strength and durability of the joint,
- protect a recently constructed slip wall / facade against rain for 14 days with a protective cover that allows a free air flow. If the wall / facade is not protected, the rain may wash out the newly made joint onto the brick faces, whereas extreme heat or excessive exposure to sunlight may cause loss of too much moisture and excessive dryness of the mortar, which reduces the strength and durability of the joint.

Joint formation
- generally the same mortar can be used for building and pointing the brick wall, provided that it is a mortar for bricklaying and pointing. The consistency of the mortar for pointing bricks and slips should resemble that of damp soil,
- for pointing bricks and slips, use a pointing trowel, the width of which corresponds to the width of the joint,
- do not spread the pointing mortar over the surface of the bricks / slips, as this may cause difficult or impossible to remove stains,
- point the bricks / slips in a downward direction. First form the horizontal joints and then the vertical ones.

Facade cleaning
- remove immediately any staining on the face caused by masoning, bonding or pointing, using a dry method,
- do not allow the mortar to set on the face of the brick / slip,
- remove any excess of adhesive pressed out from the slip into spaces

Rules of proper facade making with the use of clinker slips

In the case of already existing buildings, where it is not possible to support a curtain wall made of clinker bricks due to a lack of proper foundation (which happens quite often), when one wants to make a tough, durable and aesthetic facade – one can use clinker slips. Clinker slips can be used in combination with any building material and insulation made of foamed polystyrene or wool. Clinker slips fixed on the facade are deceptively similar to traditional bricks. They are an ideal solution for anyone looking for a simple and proven way of house finish, renovation or refurbishment. A facade cladding made of clinker slips is first fixed to the wall with a highly flexible, frost-proof slip adhesives and then pointed with a mortar for clinker pointing. The facade slips are made of material which perfectly imitates the brick – both in terms of the wall appearance and its resistance to staining (for many years one does not have to incur any renovation or painting costs, which is usually the case in plaster facades). If you want to enjoy the beauty of a facade made of slips for many years to come, prepare the substrate well and make the facade right.

FACADES and INTERIORS – slip laying

There are two methods of laying clinker and facade slips on the outside:
- on the insulated brickwork element (composite wall),
- on the non-insulated brickwork element (single wall, low wall, etc.).

Each case requires a slightly different preparation of the surface and application of other materials.

Slips on the wall insulated with foamed polystyrene

As far as foamed polystyrene is concerned (Fig. 1), we recommended using EPS100 (former name FS 20) with a higher abrasion resistance. The substrate on which the thermal insulation is put, additionally burdened with slip cladding, must have a high load carrying capacity. Because of its high diffusion resistance, foamed polystyrene is impermeable to steam, retaining it on the internal (warm) side of the wall. As a result, the steam flow is disturbed (as in the case of any wall insulated with foamed polystyrene), but as this process always occurs in above-zero temperatures, it does not affect the durability of the clinker cladding. The steam accumulated inside the load-bearing wall returns to the inside of the room, where it is disposed of by a ventilation system.

Slips on the wall insulated with mineral wool

When the slips are laid on wool (Fig. 2, 3), we recommend using facade wool. This technology is based on wool's natural permeability to steam. The steam, having permeated through the load-bearing wall and the wool layer, finally gets outside through the joints between the slips. This flow is not as free as in the case of the cavity wall with clinker brick facade, however it suffices to ensure a proper functioning of the wall (the total area of the joints constitutes as much as around 14% of the entire area of the facade). Regardless of the selected insulating material, the slips should not be fixed using random products (adhesives, mortars), as this may result not only in debonding of the slips, but also in damping the thermal insulation (wool), leading to the lowering of its insulation properties.

Slips on single (non-insulated) wall

In the case of single (non-insulated) walls with poor ventilation, high humidity and no transition layer in the form of thermal insulation that would retain moisture on the internal (warm) side of the wall (Fig. 4, 5), we recommend fixing the slips directly to the wall, using specially prepared adhesive and mortar systems. One can also use a ventilated casing made of waterproof OSB panels fixed to the wall with a framework (e.g. aluminium framework). Application of unproven fixing systems may lead to the disturbance of the steam diffusion process inside the wall, and thus to the condensation of the steam on the adhesive-slip border. This may result in debonding of the slips after freezing (sub-zero temperature zone).

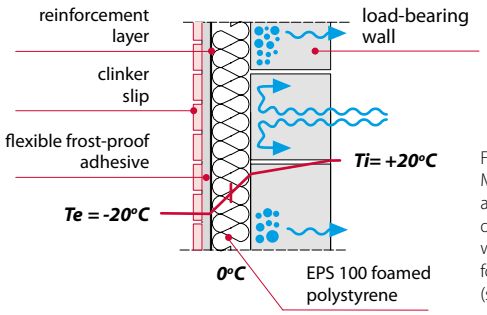


Fig. 1
Moisture transport and temperature distribution in a wall insulated with foamed polystyrene (system solutions)

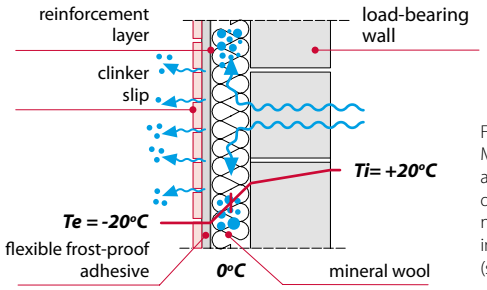


Fig. 2
Moisture transport and temperature distribution in a non-ventilated wall insulated with wool (system solutions)

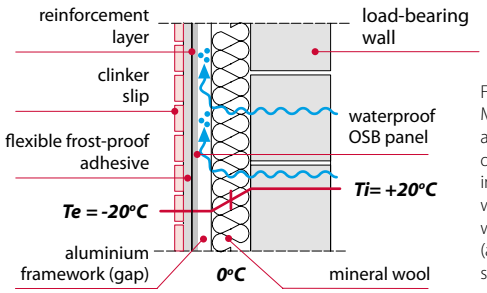


Fig. 3
Moisture transport and temperature distribution in a ventilated wall insulated with wool (alternative solutions)

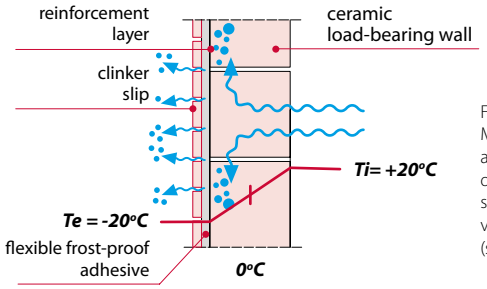


Fig. 4
Moisture transport and temperature distribution in a single non-ventilated wall (system solutions)

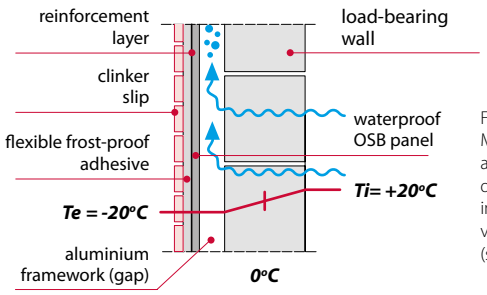


Fig. 5
Moisture transport and temperature distribution in a single ventilated wall (system solutions)

FACADES and INTERIORS – slip laying

Rules of proper application of clinker slips in the interiors

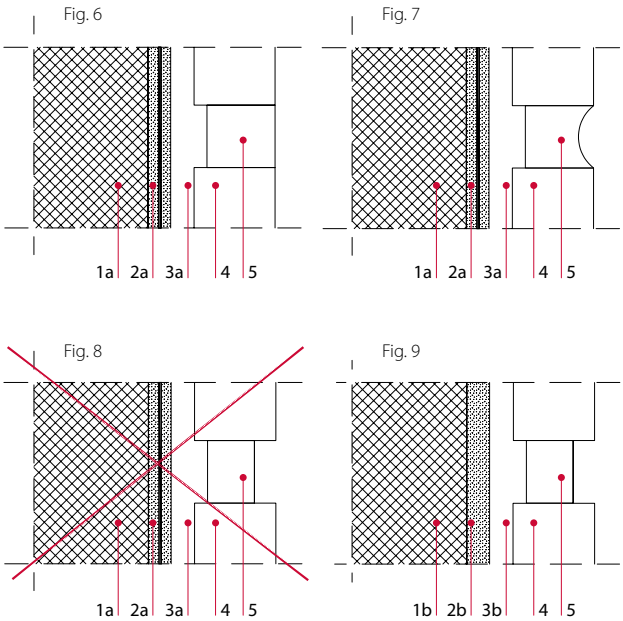
The interiors are another area of application of clinker slips with all their advantages (durability, timelessness, damage resistance, lack of periodic restorations). Slips or even slip elements in the form of small sections can emphasize the nature of the interior and make it much more attractive. While fixing clinker slips inside the building, one should follow the same procedure, as in the case of ceramic slips (bathroom slips).

Only the method of pointing is different – we do not spread the mortar on the slip face, but fill the gaps between the slips with a semi-dry (consistency of damp soil) mortar for pointing. We do this with a pointing trowel. Only in the case of interior cladding can we can apply the recessed joint.

Formation of the joints

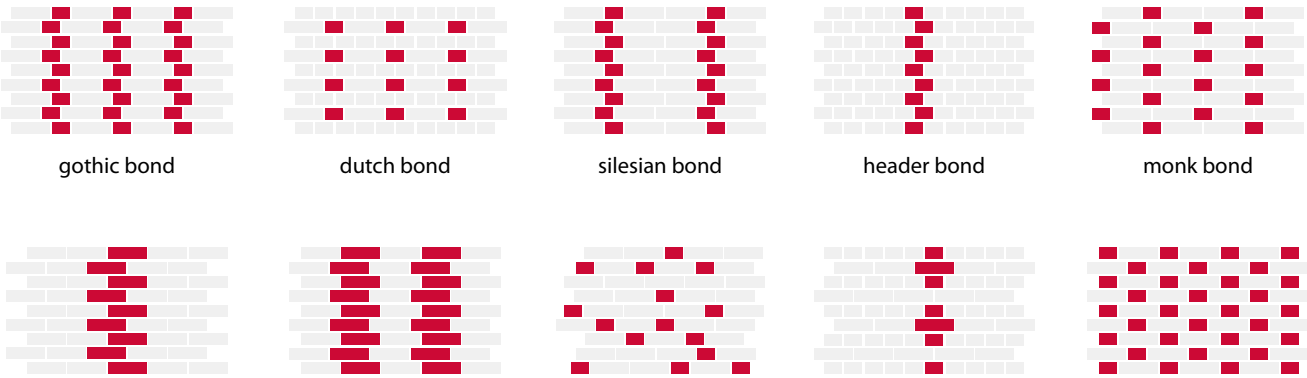
Outside, we recommend forming the joint to the face of the slip (Fig. 6) or rounding it (Fig. 7). Recessed joints (Fig. 8) are not recommended, as the formed ledge will collect dirt and damp, which may result in the occurrence of weeping, efflorescence or even debonding of the slips.

Formation of joints set back in relation to the facade plane is cceptable in interior cladding (Fig. 9). For pointing, use a pointing trowel, the width of which corresponds to the width of the gap between the slips. Fill the joints in a downward direction. First form the horizontal joints and then the vertical ones.



1a – brickwork element, 1b – load-bearing wall
2a – reinforcement mesh, 2b – plaster
3a – flexible frost-proof adhesive, 3b – flexible adhesive
4 – facade slip, 5 – joint

Slip laying patterns



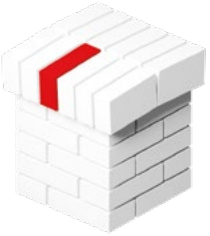
FENCINGS – post caps

A fence is a construction, which in addition to its primary function – providing privacy and separating the house surroundings from a road or another plot of land, also plays a representative role – is often a showcase of its owners.
The form, materials and colour of the fence should refer to its surrounding elements. This can be achieved in many various ways, for example if the pattern of spans is similar to the railings of the stairs or balconies, and the posts and low walls are finished with the same materials as the wall or base of the house.

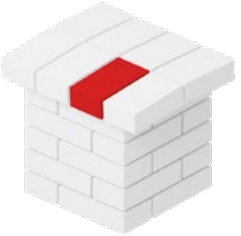
When building the fence, you should remember that:
- a building permit is not required to build a fence, but in the case of a fence bordering on a public street and road, you are obliged to report this fact to a competent authority 30 days before the works can be commenced,
- a fence between the neighbouring plots of land does not require notification, if its height does not exceed 2,2 m,
- a fence must not go beyond the borders of the plot,
- a gate and a wicket must not open to the outside, they should not have thresholds hindering a passage for the disabled,
- a wicket should be at least 90 cm wide and a gateway at least 240 cm.

Proposals for copings of posts 25x25 cm and 38x38 cm from standard shaped bricks

Brick post 25x25 cm
coping made of solid brick placed vertically



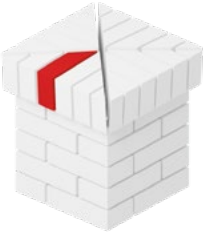
Brick post 38x38 cm
gable coping made of solid brick



Brick post 38x38 cm
coping - gable roof made of solid brick placed flat

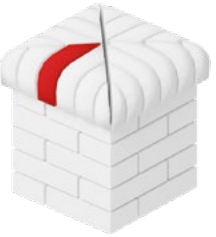
Proposals of copings of posts 25x25 cm and 38x38 cm with caps cut from shaped bricks

Brick post 25x25 cm
coping - four-slope roof made of perforated or solid brick



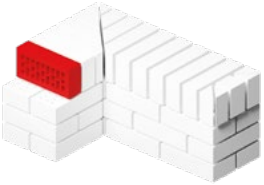
Brick post 38x38 cm
four-slope coping made of perforated or solid brick

Shaped brick post OW1 38x38 cm
four-slope coping made of solid shaped brick OW1

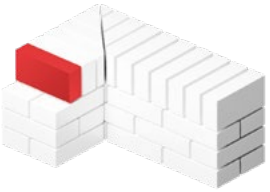


Brick post 38x38 cm
four-slope coping made of solid shaped brick OW1

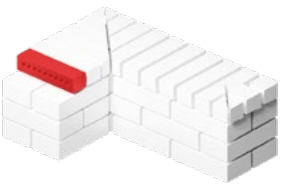
Wall copings



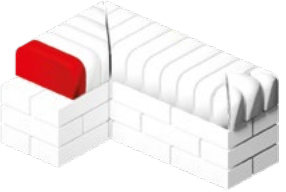
Wall 25cm
coping made of perforated brick



Wall 25cm
coping made of solid brick



Wall 25cm
coping made of half brick



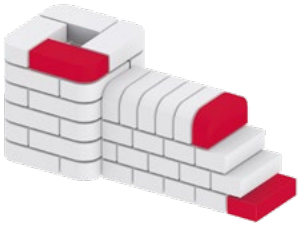
Wall 25cm
coping made of shaped brick OW2

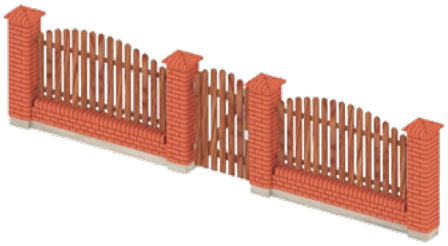
FENCINGS – installation methods

Solution

1

post: shaped brick OW1
low wall: brick 25 x 12 x 6,5 cm
wall coping: shaped brick OW2

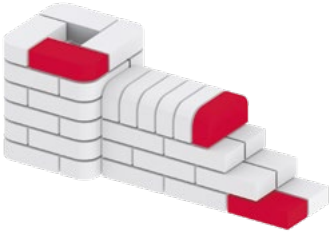


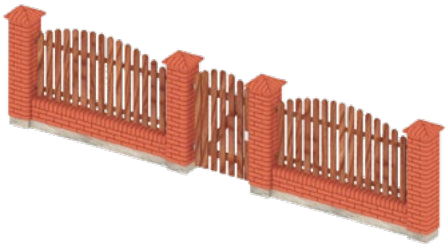


Solution

2

post: shaped brick OW1
low wall: brick 25 x 12 x 6,5 cm
wall coping: shaped brick OW2

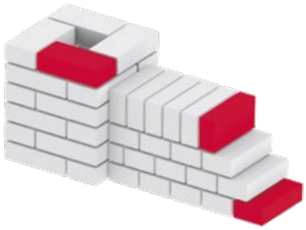


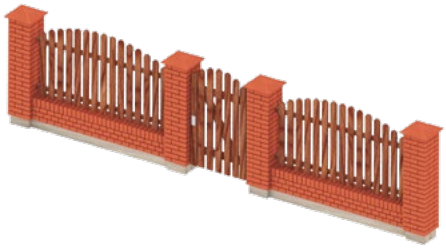


Solution

3

post: brick 25 x 12 x 6,5cm
low wall: brick 25 x 12 x 6,5 cm
wall coping: brick 25 x 12 x 6,5 cm

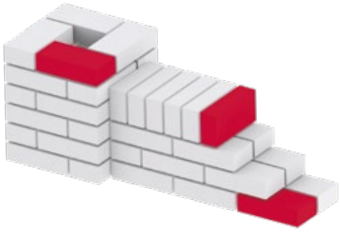


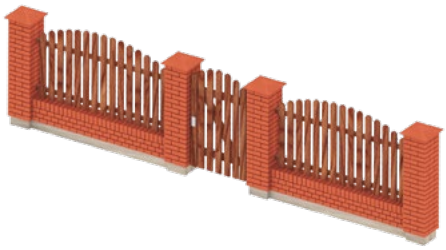


Solution

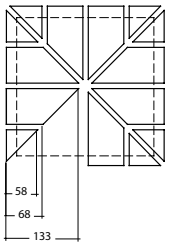
4

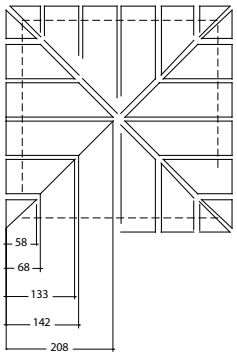
post: brick 25 x 12 x 6,5cm
low wall: brick 25 x 12 x 6,5 cm
wall coping: brick 25 x 12 x 6,5 cm

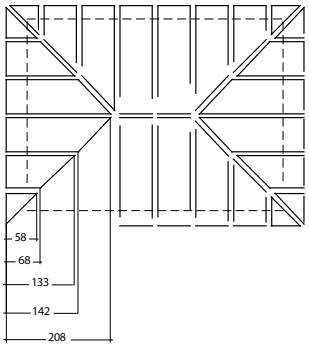




Details of caps cut from shaped bricks



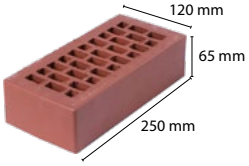




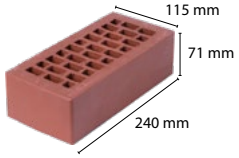
FORMATS AND TYPES of bricks, slips and pavers

Bricks:

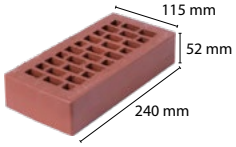
RF 51 psc / m²



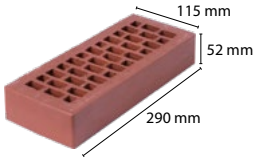
NF 49 psc / m²



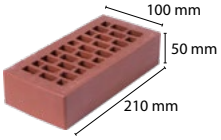
DF 67 psc / m²



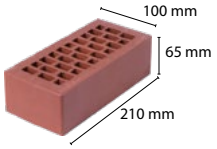
XL 56 psc / m²



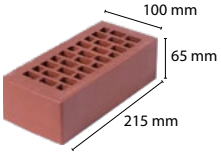
WF 78 psc / m²



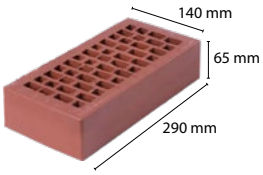
WDF 60 psc / m²



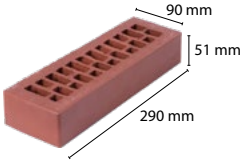
BS 60 psc / m²



CF 44 psc / m²

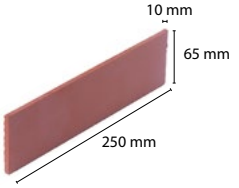


LF ? psc / m²

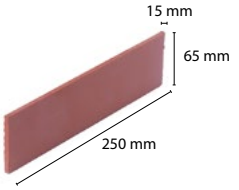


Slips:

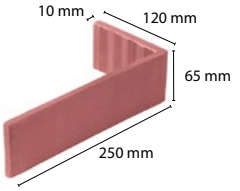
Normal Slips RF 51 psc / m²



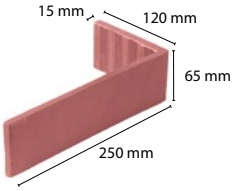
Normal Slips RF 51 psc / m²



Corner Slips RF

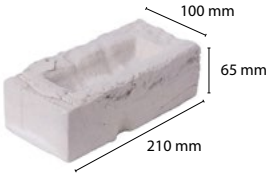


Corner Slips RF

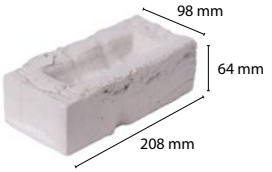


Handformed bricks:

WDF 60 psc / m²



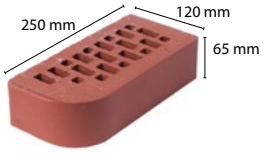
WDF 60 psc / m²



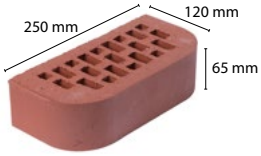
FORMATS AND TYPES of bricks, slips and pavers

Shaped bricks RF:

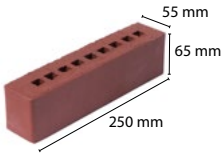
OW1



OW1



Half brick



Type of bricks RF:

Solid brick

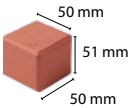
Perforated brick

7-holes brick

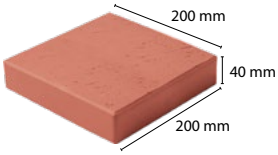
Half brick

Pavers:

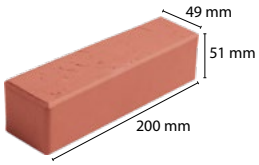
Mosaic format 384 psc / m²



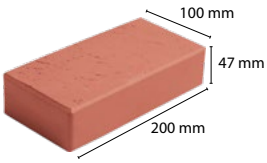
Tile format 25 psc / m²



ALT format 100 psc / m²



Format 47 48 psc / m²



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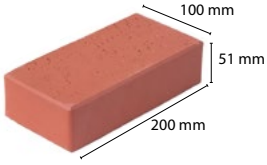

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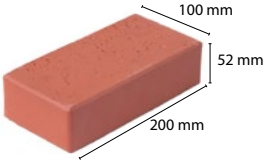
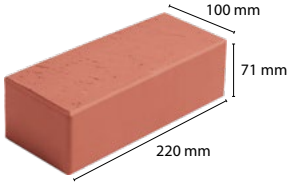
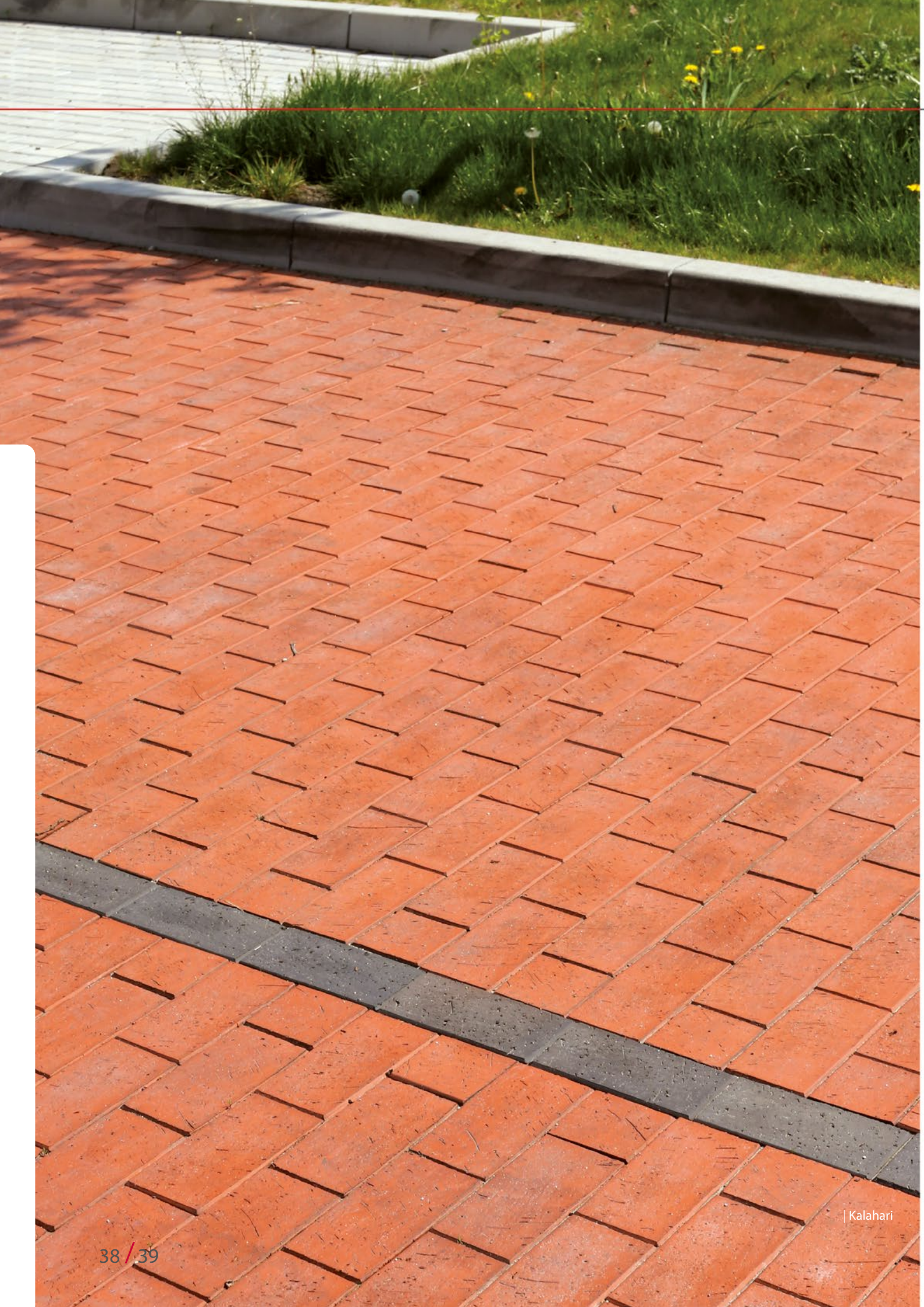


Format 71 45 psc / m²





Kalahari

PAVERS

| Classic

| Sahara

| Tybet

CLINKER PAVERS FOR ALL WEATHER CONDITIONS

| Sahara

While building a house, one cannot forget its exterior design. The pavements, fencings and greenery are like stylish accessories to designer clothes. They should not be underestimated or chosen without due care and attention. They should not only reflect our individuality, but also harmonize with the surroundings. The LHL clay pavers are made of clay and sand. So they are naturally connected with the surroundings. The colours are inspired by the sun, water and ground. They are beautiful and extremely durable. Thanks to a rich palette of colours, they blend perfectly into small gardens and prestigious spaces. They do not require any special maintenance. The rain washes away the dirt, while the sun dries them out and highlights their colours. It is an aesthetic solution for every taste and weather conditions.

LHL KLINKIER

WHY CHOOSE CLINKER PAVERS?

Material: ceramics
Clay fired at 1000°C. Ecological material – natural and durable.

Resistance: very high
The resistance of 47 mm thick LHL clinker pavers is 4 times higher than that of 80 mm thick concrete pavers, because during the firing process the moulded and compressed clay forms ceramals, which guarantee high resistance of the material – 200 MPa. It is a multi-purpose material – it can be used for paths, terraces, driveways, streets, car parks etc.

Colour: durable and resistant to fading
Uniform across the entire material. A wide selection of colours is obtained by using various clays, which fire naturally into several colours without any artificial additives or dyes. Life-long colour warranty.

Number of surfaces and application segments: 5
5 possible surfaces of a single clay paver (2 flat surfaces + 2 end faces + 1 side face). Since the side faces of the clay paver are smooth, they can be used for the finishing of edges, curbs, stairs, low walls and other elements of the landscape design. Thus one can econo mize on additional finishing materials.

Skid resistance: the highest (U3 class)
The highest skid resistance under all conditions (dry and damp surfaces), because its sur face does not become polished during the normal use. Operational safety.

Abrasion resistance: A2 class
The average amount of material abraded during the tests according to PN EN 1344 should not exceed 1000 mm^3. Up to 20 times lower abrasibility, because clinker paver is a ceramal and it is difficult to separate and abstract single grains from it, which is why it abrades hardly at all. Durability and elegance for years.

Resistance to weak acids: resistant
Resistance to weak acids, e.g. lemon juice or vinegar, is a natural feature of ceramics, because during the firing process the clay used to produce clinker changes its structure into a non-reactive form. Therefore, it becomes resistant to acids, detergents and other caustic agents. Easy maintenance and resistance to stains.

Prepared based on: PN-EN 1338:2005 "Concrete paving bricks. Requirements and test methods", PN-EN 1344:2004 "Ceramic road brick. Requirements and test methods" and data sheets issued by paving brick manufacturers.

| Antika

| Kalahari

| Classic

sun
sur

| Sahara

Clinker **PAVERS**

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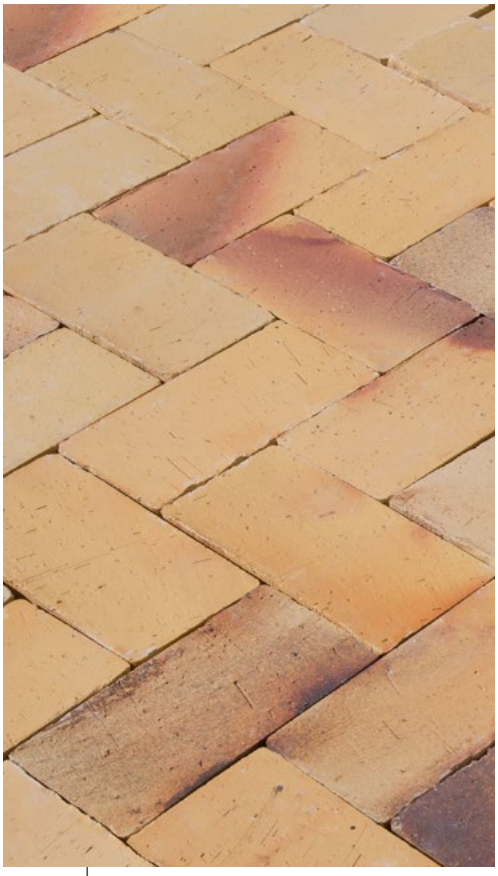
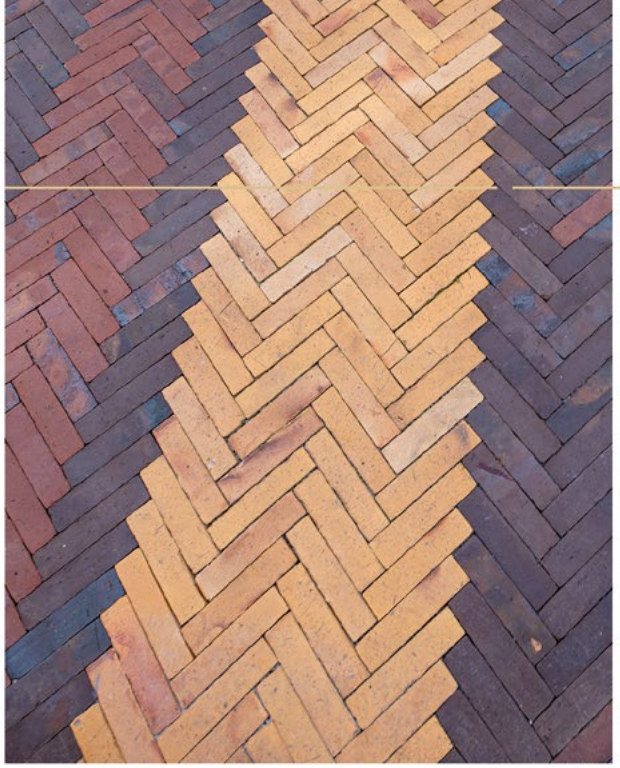
Sahara



Solaris

Alt Solaris



| Alt Solaris, Alt Toba, Alt Classic

| Argon

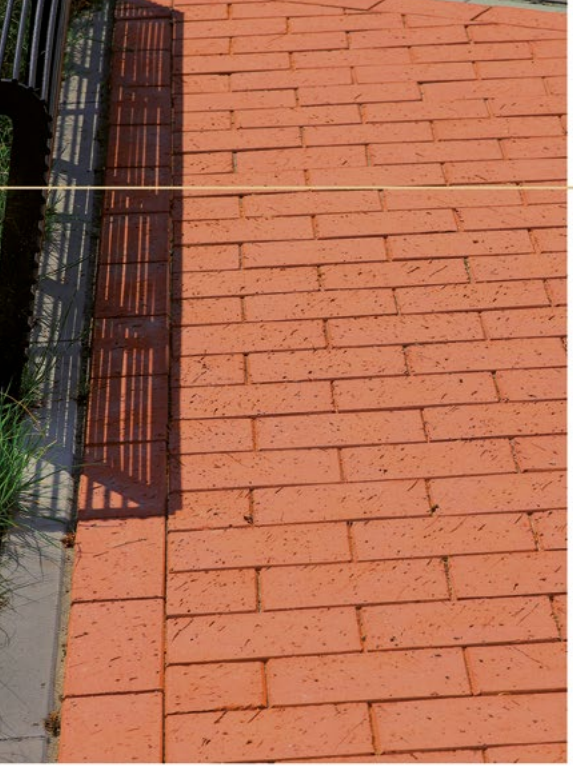
LHL KLINKIER

Clinker **PAVERS**

Gobi

Argon

www.**klinkier.pl/en**



fire

Kalahari

Clinker **PAVERS**

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Kalahari

Staromiejski

Lava

| Alt Classic, Alt Toba, Alt Solaris

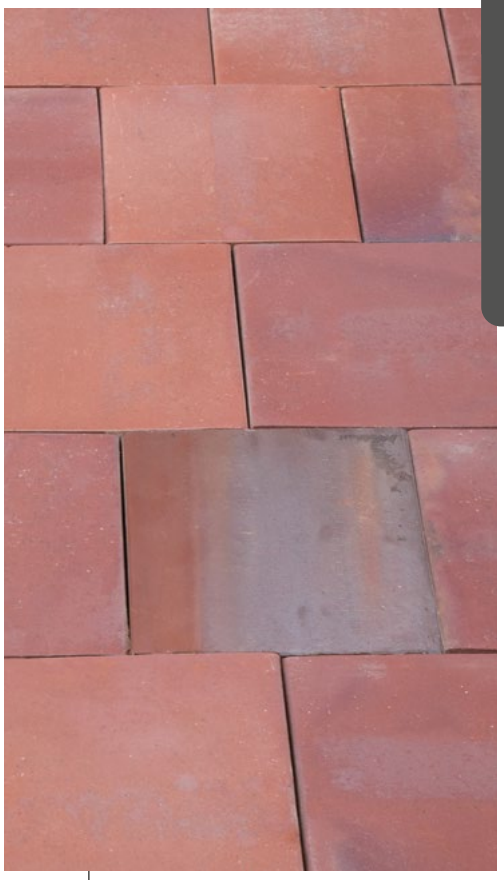
| Classic, Alt Classic, Solaris

LHL KLINKIER

Clinker **PAVERS**

Classic

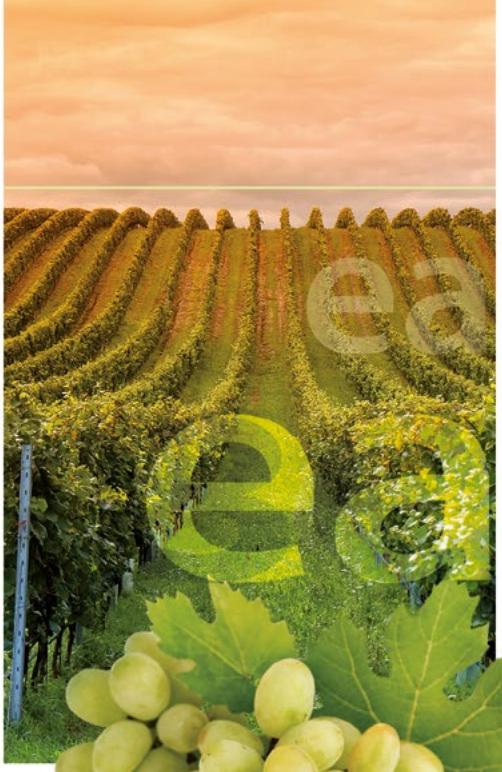
Alt Classic



Slip Classic Smooth

www.klinkier.pl/en

| Wega



earth

earth

Clinker **PAVERS**

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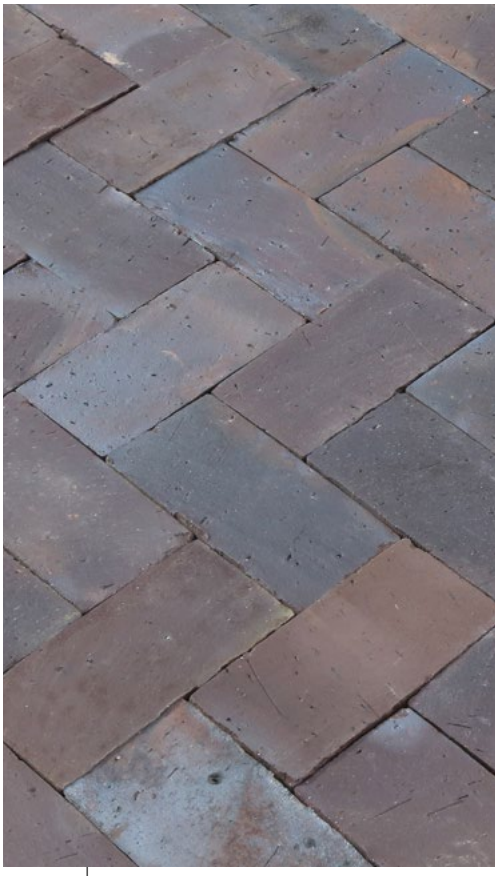
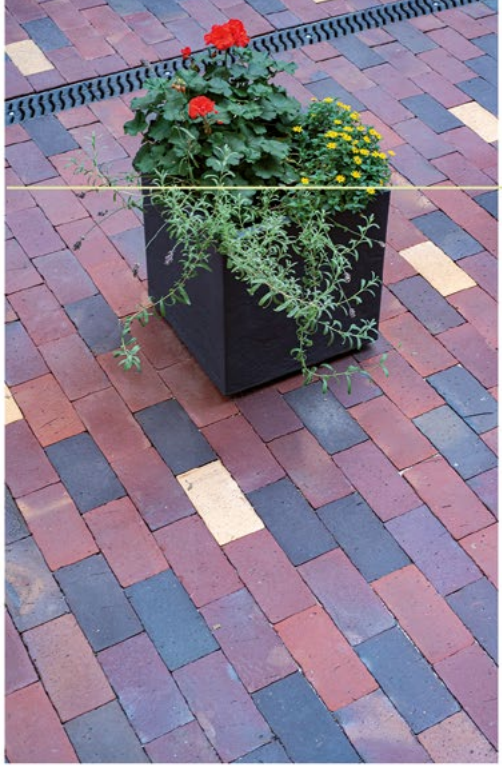
Wega



Toba

Alt Toba



| Classic, Toba, Solaris

| Toba

LHL KLINKIER

Clinker **PAVERS**

Orion

Etna

rock

| Antika

Clinker **PAVERS**

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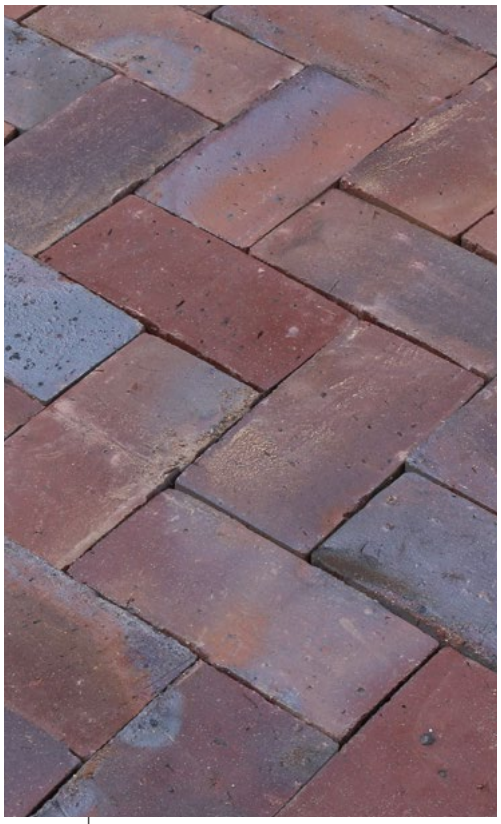
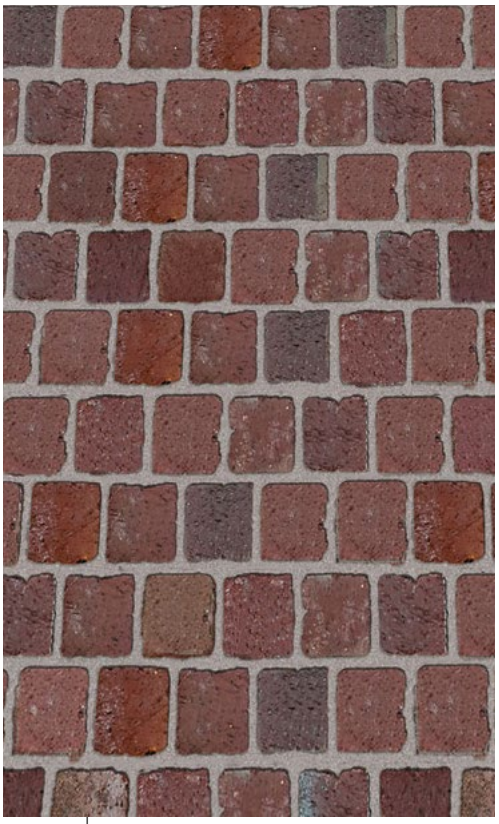


Antika



Mozaika

Tybet

Tybet Cieniowany

LHL KLINKIER

Clinker **PAVERS**

Tytan

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TEXTURE CONFIGURATOR 2D

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TERRACES, GARDEN PATHS, DRIVEWAYS

| Antika

LHL KLINKIER

INSPIRATIONS

Clinker **PAVERS**

| Classic

| Kalahari

| Tybet

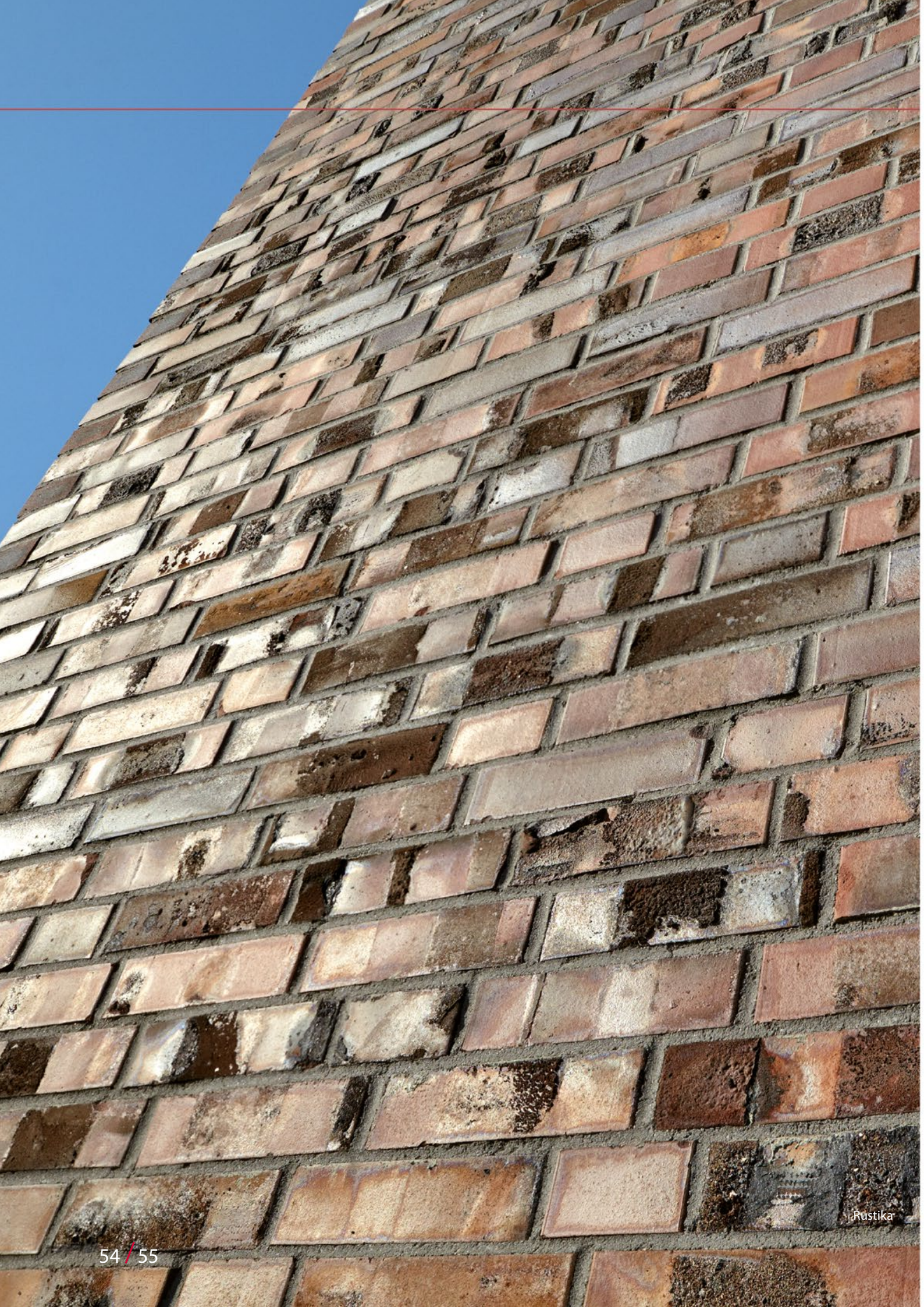
| Argon

Patoka

CLINKER FOR THE CONNOISSEUR

archive photo

www.klinkier.pl/en



Rustika

LHL KLINKIER

Patoka

CLINKER FOR THE CONNOISSEUR

STYLISH DESIGN...

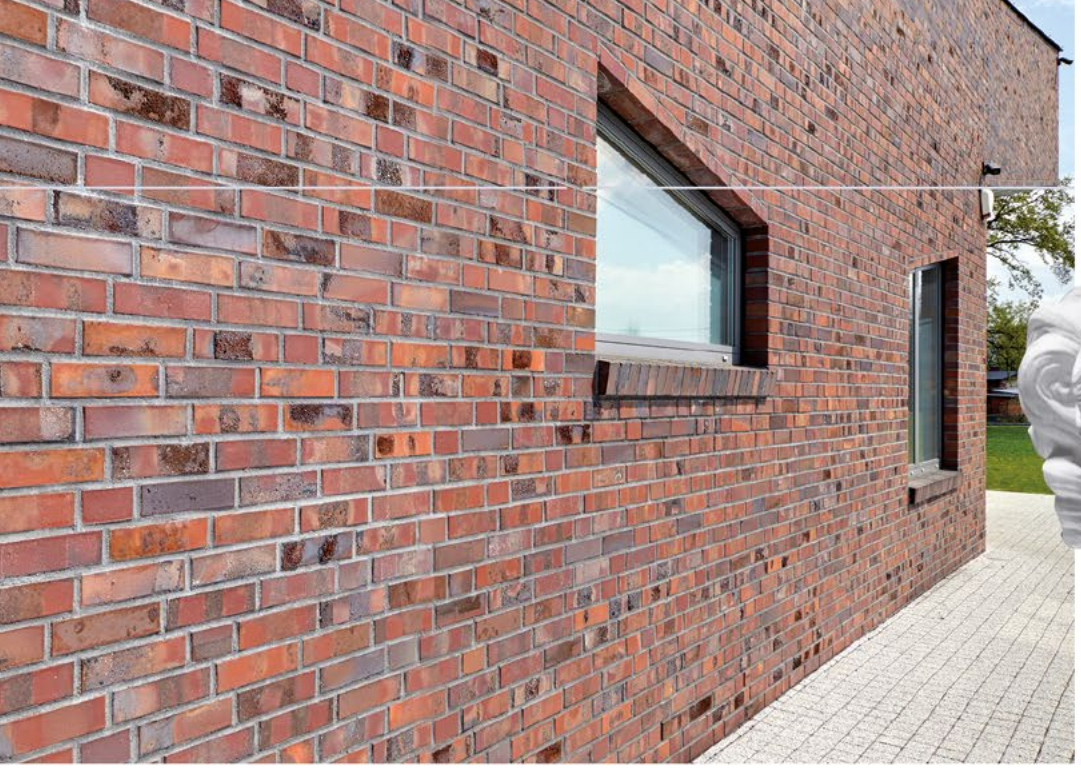
Patoka boasts a unique kiln, which is one of the last of its kind in the world, and in which exceptional bricks and clay pavers are fired. The uniqueness of the products results by no means from sorcery or magic spells (although, no one knows for sure ...). It is the traditional production process, unchanged for centuries, which gives the clinker its unique features, unobtainable in modern plants.

Patoka

CLINKER FOR THE CONNOISSEUR

archive photo

www.klinkier.pl/en



Rustika

Clinker **BRICKS** and **SLIPS**

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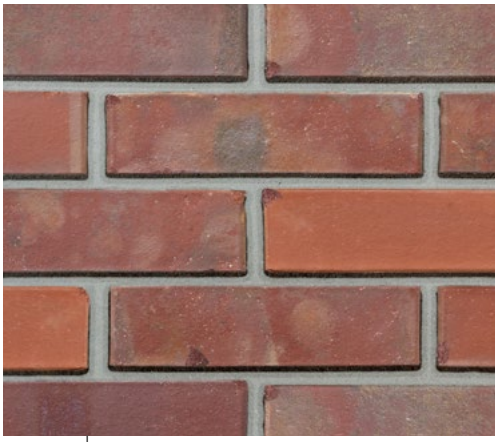
Solaris



Gotika

Classic

Alt Classic

Alt Tessin

Toba

| Gotika

| Classic

LHL KLINKIER

Patoka

CLINKER FOR THE CONNOISSEUR

The unusual aesthetics and proven quality of Patoka clinker result from the original firing technology. The firing process takes place in a traditional coal-fired Hoffman kiln – one of the few of its kind in the world. The bricks and clay pavers fired in the kiln are characterized by unique colours and physical properties. Their exceptional aesthetics is valued by the investors and architects alike. A wide range of colours (from red to graphite) and deslagging enable one to design unique facades.

The Patoka brick factory also produces special bricks used to renovate historical buildings or perform restoration works. The clinker from Patoka can be found, among others, in the Wawel Royal Castle, Jasna Góra Monastery, Warsaw Barbican or the Malbork Castle.

Alt Deco

Rustika

Antika

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PATOKA clinker for the connoisseur

| Classic, Toba, Solaris

Clinker **PAVERS**

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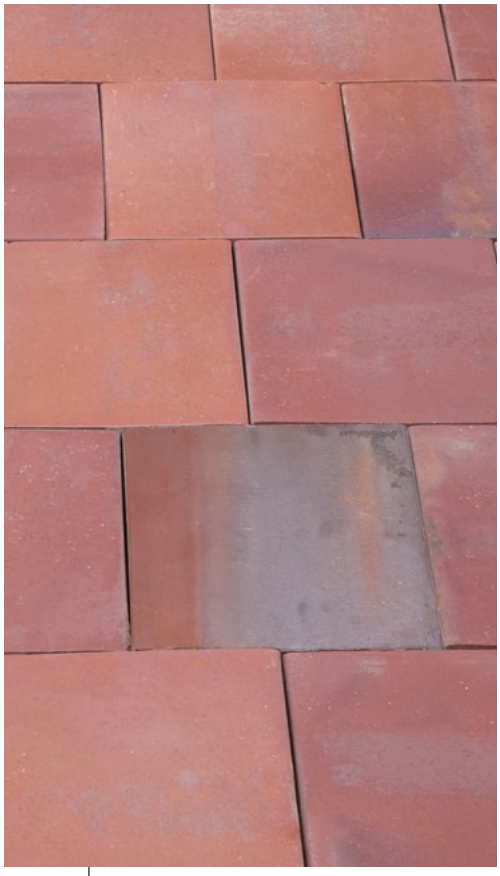
Solaris

Classic



Slip Classic Smooth

| Solaris

| Classic, Toba

LHL KLINKIER

Patoka

CLINKER FOR THE CONNOISSEUR

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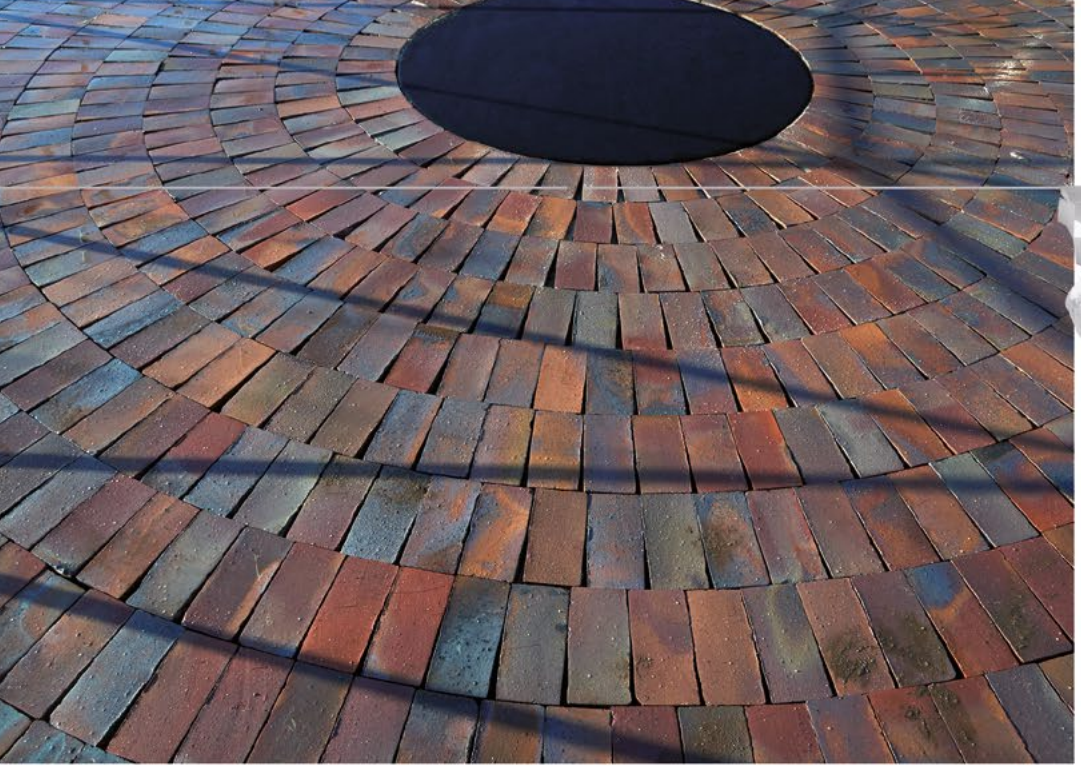
PATOKA clinker for the connoisseur



| Antika

Clinker **PAVERS**

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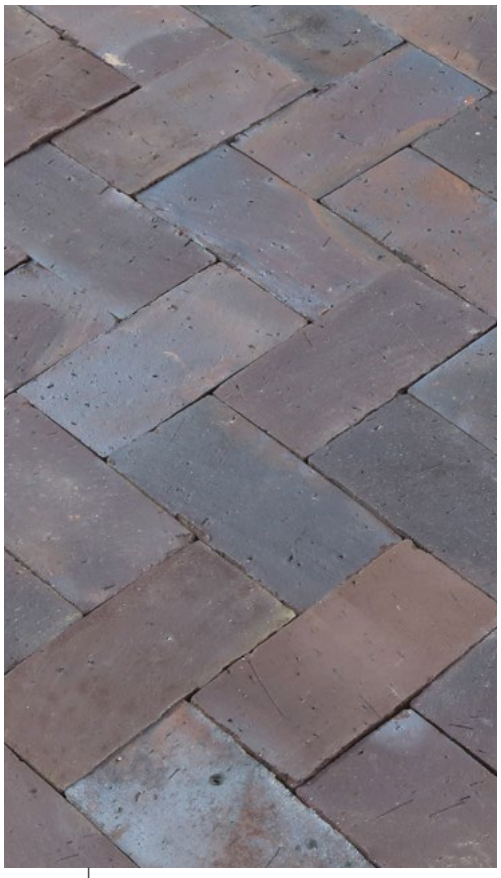
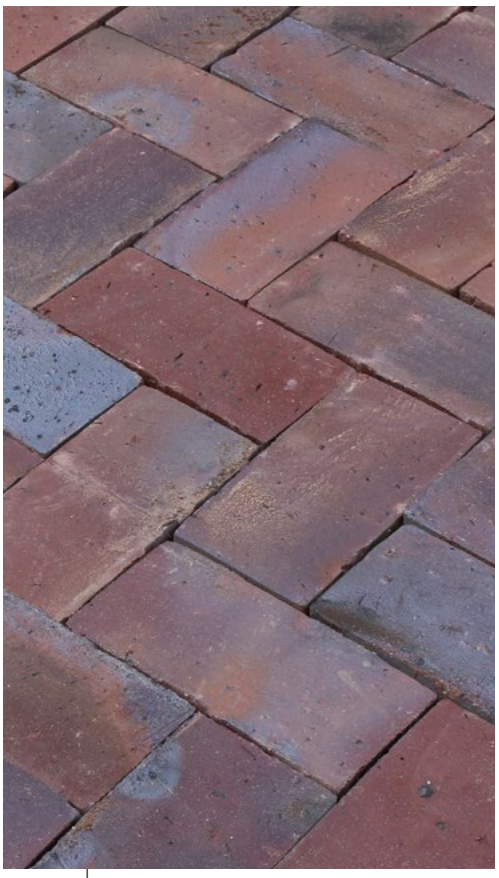
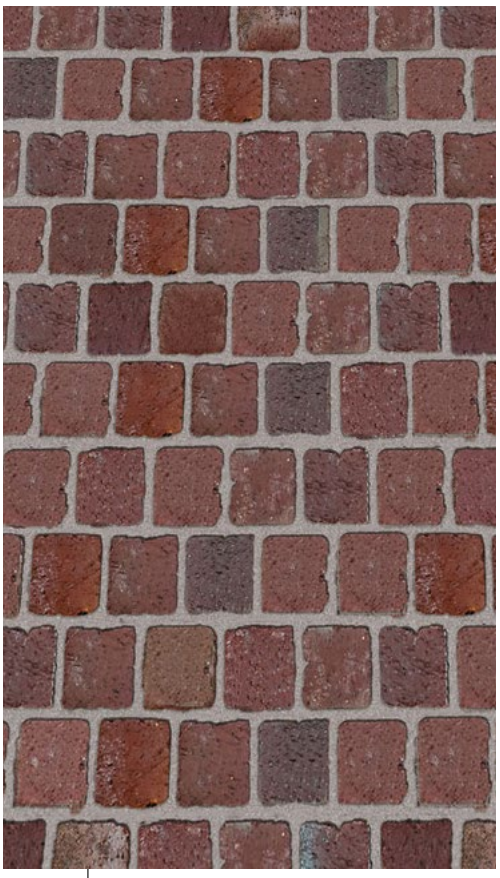


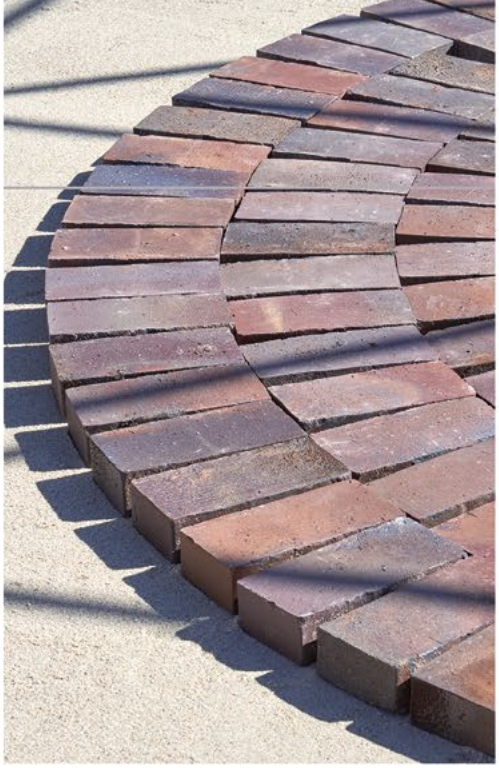
Toba



Antika



Mozaika



| Antika

| Toba, Alt Toba

LHL KLINKIER

Patoka

CLINKER FOR THE CONNOISSEUR

| Tytan

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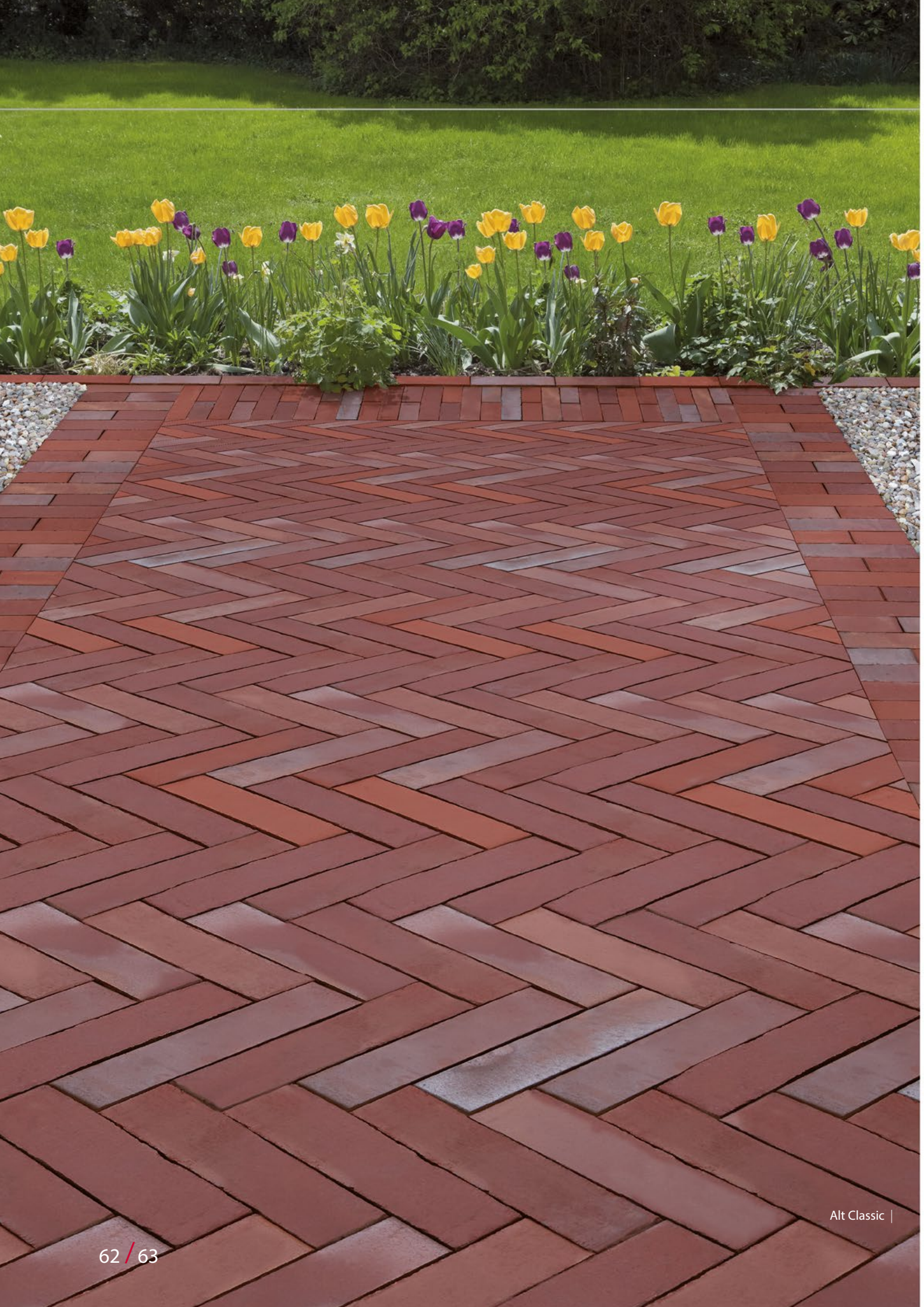
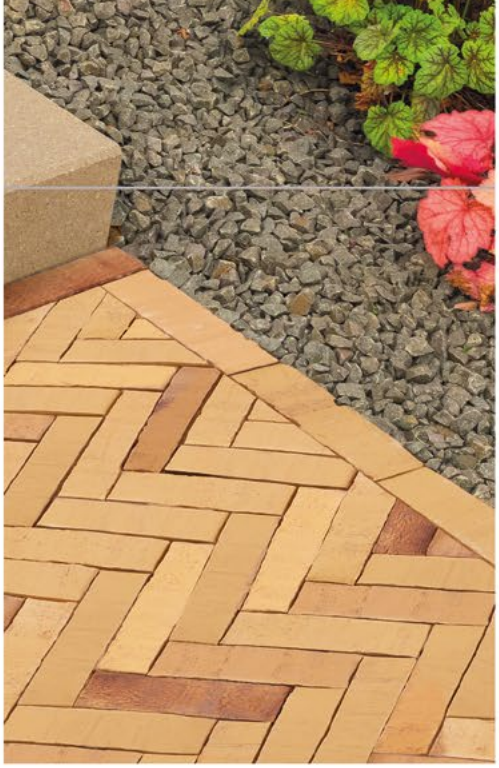
PATOKA clinker for the connoisseur



Alt Classic |



| Alt Solaris

| Alt Toba

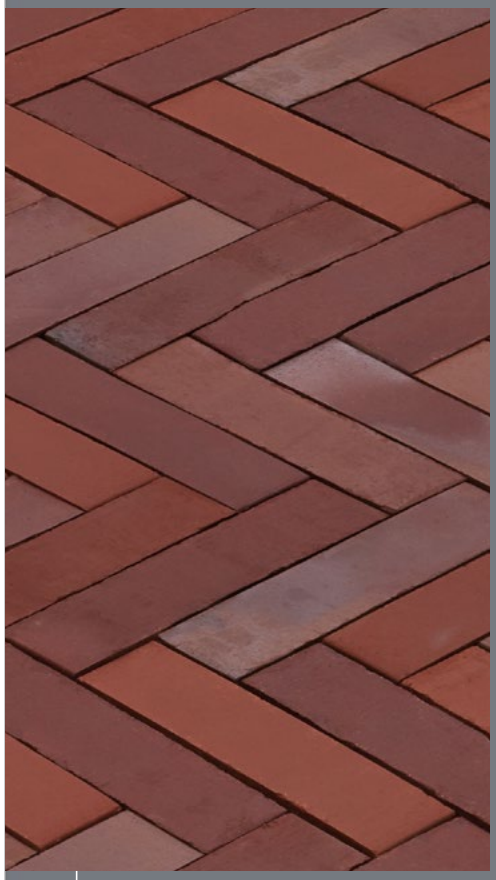
LHL KLINKIER

Clinker **PAVERS** – ALT collection

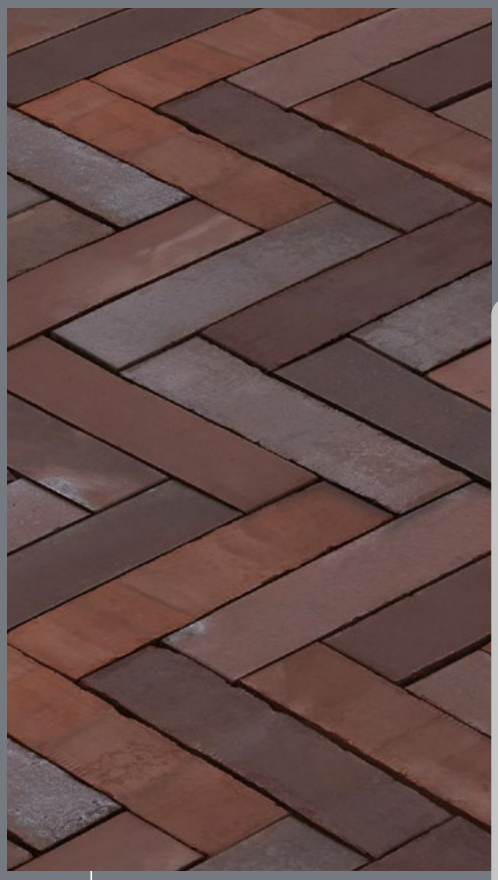
Patoka

CLINKER FOR THE CONNOISSEUR

Alt Solaris



Alt Classic



Alt Toba

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PATOKA clinker for the connoisseur

RENOVATIONS AND MORE ...

Rustika

LHL KLINKIER

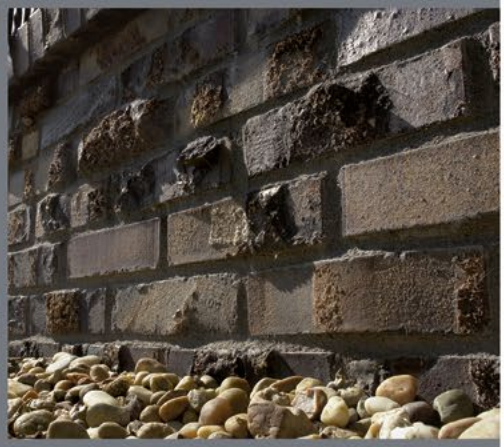
INSPIRATIONS

| Rustika

Patoka

CLINKER FOR THE CONNOISSEUR

| Classic



| Classic

| Classic

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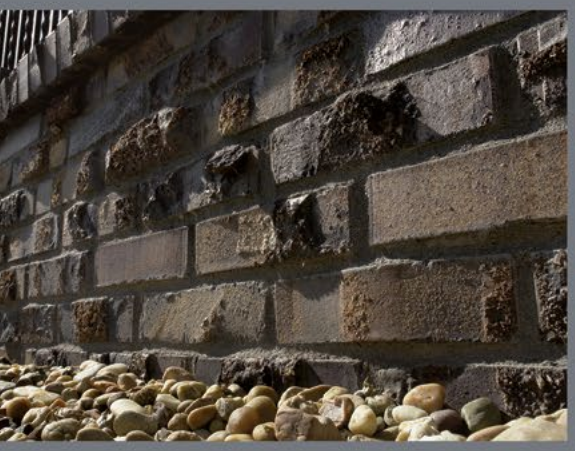
PATOKA clinker for the connoisseur

FACADES AND SMALL ARCHITECTURE

| Classic



| Antika

| Rustika

| Gotika

LHL KLINKIER

INSPIRATIONS

| Rustika

Patoka

CLINKER FOR THE CONNOISSEUR

| Mozaika

| Classic, Rustika

| Rustika

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PATOKA clinker for the connoisseur

Lode Group has over 50 years of tradition in production building ceramics and more than 20 years in production of concrete solutions. It operates 9 professional production plants located in Poland and Latvia, with its Headquarters in Warsaw, producing clinker products (Liepa, Ciasna), ceramic blocks (Ane, Kozłowice, Gozdnica), concrete solutions (Nasielsk, Sierakowice), refractory materials (Żarów) and fired raw materials (Jaroszów).

LHL Klinkier brand offers bricks, slips and clay pavers as well as manually formed bricks.

LHL KLINKIER

Lode-Polska Ltd.
Janka Muzykanta 60
02-188 Warsaw | Poland
VAT PL7010293740

Export:
Piotr Czerski
p.czerski@klinkier.pl
T: + 48 694 439 178




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TEXTURE CONFIGURATOR 2D

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