EXEMPLUM 24

ENGLISH EDITION

Röben
TONBAUSTOFFE

E D I T O R I A L

‘Standard issue?’ Is there such a thing?
From deep black to radiant white via a wide range of grey tones - that is the spectrum covered by the extraordinary brick buildings that we present in this new edition of EXEMPLUM. You will also see some wonderful examples of architecture with traditional warm earthy tones that our brickmakers create by varying the mineral composition of the clay before it enters firing. And should you still not be able to find the kind of brick you are looking for, despite the great variety of designs that bricks have always offered, our designers and technicians will help you to design the type of brick that precisely matches your requirements. The process of BRICK-DESIGN® is creative, fun, and ultimately extremely satisfying for all those involved in the process. The result is highly individual and frequently innovative. A good example is the school campus in Luxemburg, whose lively facade is made up of YUKON ceramic bricks specially designed by the Atelier d’Architecture et de Design Jim Clemes.

Another way of creating an individual facade is to combine existing standard varieties to form an original design that is all your own. Of course, architecture lives from surprises and unconventional solutions - and the skill with which the Tsimailo Lyashenko & Partners planning office in Moscow interprets the concept of mixing is nothing short of breathtaking. See for yourself the spectacular facade of the huge residential complex 9-18, located on the edge of Moscow, of which the cover photo already gives a tantalising glimpse.

We hope you enjoy browsing this brochure and picking out your own ‚personal favourite‘. If you have an idea that you would like to discuss, please feel free to call us.

Yours sincerely,

Wilhelm-Renke Röben

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BUILDING VALUES

A school campus building has now been completed in the town of Capellen in Luxembourg, based on plans by the Atelier d'Architecture et de Design Jim Clemes. It comprises a pre-school and primary school as well as rooms for early learning and afternoon supervision. The campus seeks an openness with its direct environment – the adjacent sports hall can also be used for extracurricular activities. The architects see in their work a high degree of social responsibility for future users, which is expressed in their very conscious selection of materials.

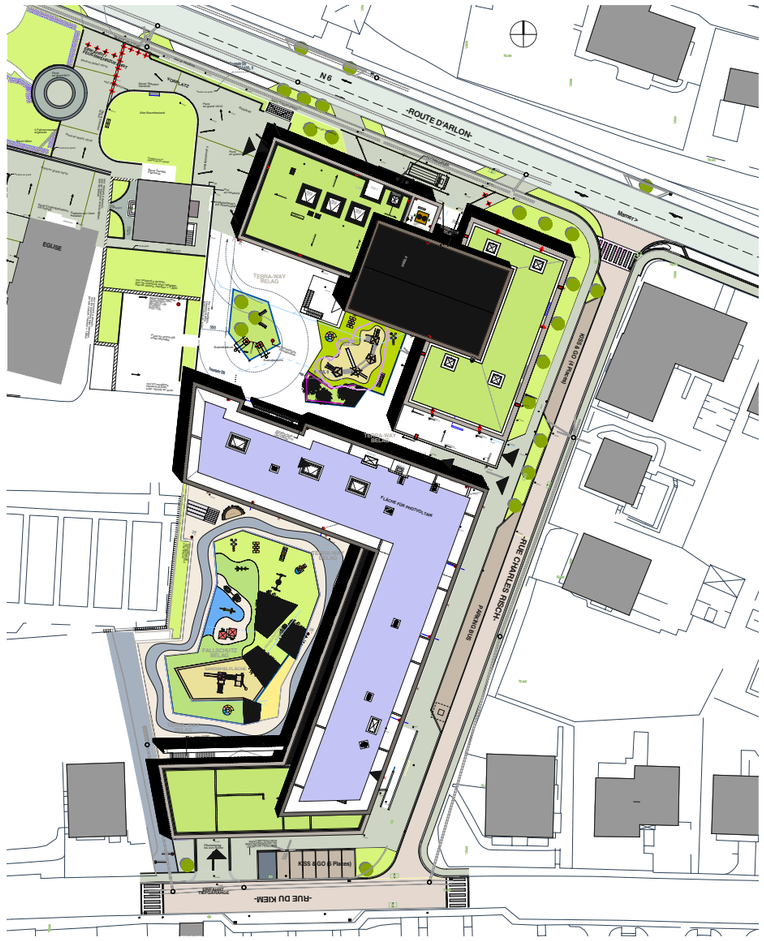
"A colour that reflects urban life," was the guiding idea of the Atelier d'Architecture et de Design Jim Clemes led to the choice of grey clinker brick. However, the idea also had to be reflected in the feel and texture of the brick surface. A number of different brick finishes were therefore designed and proposed by the Röben Bannberscheid brickworks, which the architects subsequently modified , culminating in the final result of the creative BRICK-DESIGNS® process, in the form of a particularly rough brick surface. The brick has meanwhile been incorporated in Röben's standard product range under the name of YUKON.

A further special characteristic of the facade is that the architects wanted more than just a wild brickwork bond. They therefore fashioned some of the clinkers in a long and thin format (290 x 52 x 90 mm) , shortened to 2/3 of their normal length, to create an unusually lively surface design. The thickness was only nine centimetres, which can be seen from the relatively narrow headers in the bond.

SCHOOL CAMPUS IN CAPELLEN (LUX)

Draft planning: Atelier d'Architecture et de Design Jim Clemes s.a., Esch-sur-Alzette (LUX)

Röben BRICK-DESIGN®
Custom assortment of Röben ceramic clinker bricks in varying grey tones with a rough texture and granite-like granularity

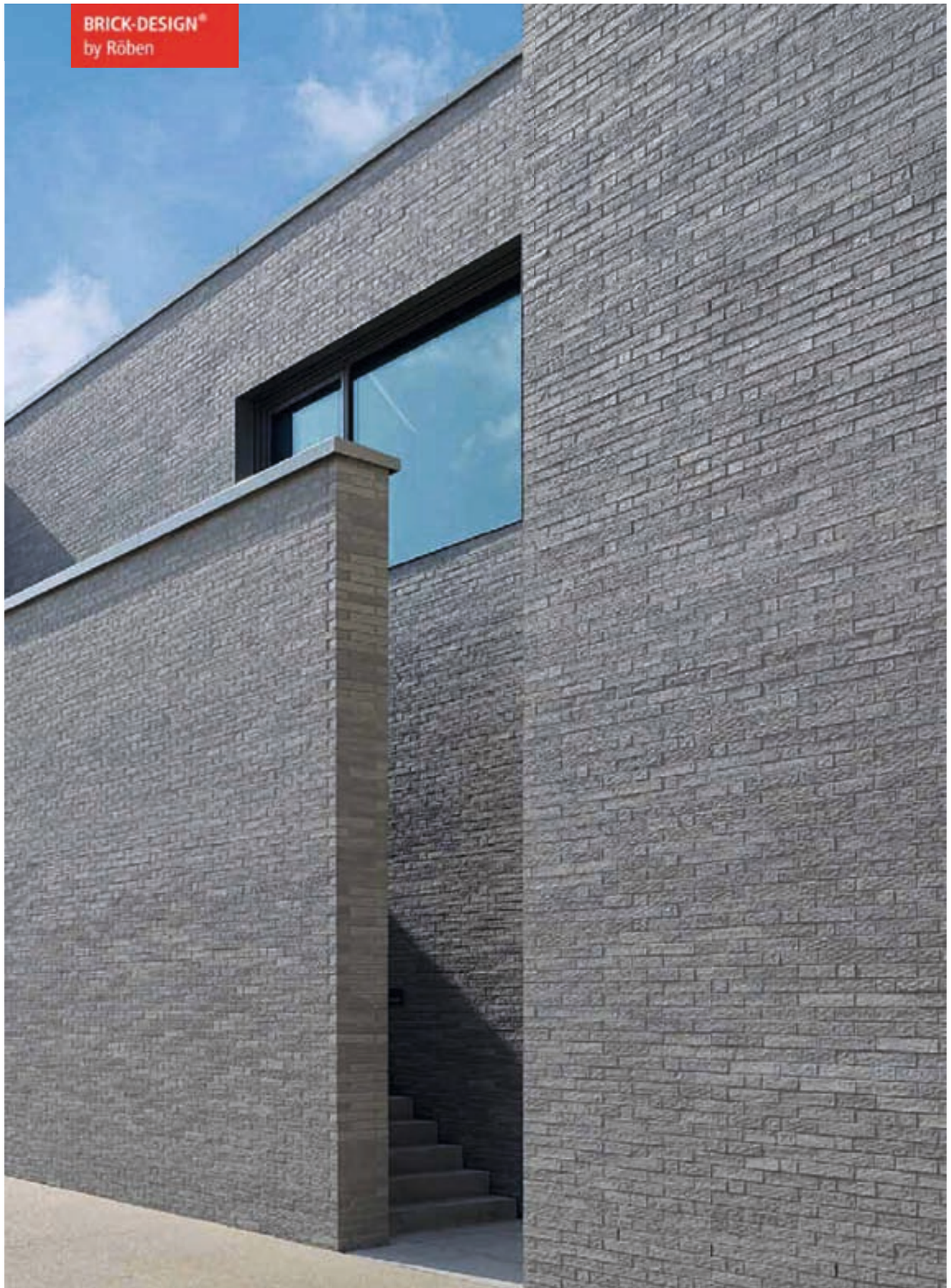


School campus in Capellen (LUX)

Planning:
Atelier d'Architecture et de Design
Jim Clemes s.a.,
Esch-sur-Alzette (LUX)

Photos: André Nullens, Londerzeel

Röben BRICK-DESIGN®
Custom assortment of Röben ceramic clinker bricks in varying grey tones with a rough texture and granite-like granularity



Florian Thein in an interview with Jim Clemes and Ingbert Schilz (Director Partner)

How did the Campus Capellen project come into being?

JC: It was actually a follow-up assignment. Prior to the Campus Capellen, we had already realised another school campus at a different location for the same municipal authorities. That campus in Mamer was implemented over ten years after winning the competition in 2001. It has been well accepted by its users and has exerted an exemplary impact throughout the region. It was for this reason that the municipal authorities then gave us the contract for the Campus Capellen.

What were the challenges of the design?

JC: We were able to develop the campus in Mamer on a site of approximately seven hectares with a relatively low building density which offered potential for extension. In cooperation with the landscape designers, we were able to create a design with the character of a park. But with the Campus Capellen, we had to implement the same spatial qualities both on the inside and the outside in a considerably more compact urban space of less than one hectare. This meant bringing together both school and extracurricular activities within a highly compact site and devising a language that worked successfully in a neighbourhood context.

The environment consists mainly of detached buildings with a very low building height that is nevertheless thoroughly urban.

How did you solve this from a structural point of view?

JC: The structure presents a confident counterpoint to the surrounding buildings but its height fits into the surroundings in terms of scale. Its volume is similar to a sculpture, in that it is formed according to its functions. The new building is in the form of a U, which encloses the recreation and outdoor spaces for the early education department on three sides and separates them from the street. The primary school playground is located in the north of the plot and is framed by the sports hall and the afternoon supervision area, which adjoins the U structure in an L formation. This creates both a superimposition and separation of the playground areas, which ensures that all the users have the space they need to be able to develop freely. The sports infrastructure was a very important factor for us, as it can be used not only as intended for school classes but also for extracurricular activities by local sports groups. The campus is therefore in use throughout the whole week.

You chose brickwork as the material for the facade ...

JC: ... as we did for the campus in Mamer. This decision first of all has historical reasons – both sites are situated on an old Roman road, which

Jim Clemes

Ingbert Schilz

"For me, brick is simply the best material to use in a building that needs to be able to age gracefully. When you consider what a school has to go through over the course of time, I would say plaster is an unsuitable material"

Jim Clemes

used to run from Reims in France via Arlon and Luxemburg to Trier. Both campus sites are located right on this transport axis. Historical furnaces have even been found near Mamer that were used for making clay articles and bricks. The other reason is that for me, brick is simply the best material to use in a building that needs to be able to age gracefully. When you consider what a school has to go through over the course of time, I would say plaster is an unsuitable material.

Why did you decide on a grey coloration?

JC: We wanted a colour that strongly addressed the theme of urbanity. This can be seen particularly clearly in the current urban developments. The core of the city of Luxemburg is restricted in its expansion, as its outer ring is made up of a number of smaller localities. However, these are currently in a state of transition from villages to small towns. They serve to reinforce the city centre. We therefore chose a colour that reflected urban life, because we wished to design a building that serves as an engine of urban development.

You have used the quote from Goethe: 'Give your children roots and wings' as the principal theme of the campus design.

JC: The permanence of the material that I referred to before is in this sense linked with the motif of the root. It represents rootedness with the locality. But this is also associated with a certain sense of lightness - it is possible to build effectively on these foundations and ultimately to lift off from them. Our wish is for the school to be more than just the sum of its parts. This place of education should be considered as a very strong element of life that children are happy to spend time with. If our architecture can make a contribution to motivating children to learn, then that is a fantastic outcome.

IS: We wanted to create something with an interesting texture, something that displays surfaces and edges. This also includes devising solutions that are different to expectations, that arouse confusion in a positive sense and so provide food for thought. The school is intended to be a place of learning at all times and in all places. Whether in the school playground, the staircase or the corridor. All of these components must contribute spatial qualities that represent a possibility for exchange and learning.

So social responsibility is an essential component of your work.

IS: I would say that alongside creative craft and building activities, our task is to create places that instil a positive fundamental attitude. An attitude that continues into our working lives and is passed on to others. We have to take on responsibility and, for instance, consider how to put resources to their best use when selecting materials; this also includes their subsequent disposal. For us, this means avoiding building chemicals such as foams and other similar substances and to use highly durable, emission-free materials consistently, from the outside to the inside. This is something else that we regard as values that we pass on to our children, so as to form an antipole to the so-called throwaway society, in which everything is only used for a limited time.

JC: I am not a fan of composite thermal insulation systems because they cause immense problems upon removal. Right now, we do not know how the insulation cores will behave over a long period of time. Bricks are things that I have grown up with, a material that I have observed closely over a long period of time. I have been able to observe how the material ages, what it feels like, what its physical qualities are. Bricks make it possible to build something that will not pose subsequent generations with problems when the time comes for its demolition .

Are your high material expectations reflected in additional costs?

JC: I am convinced that it does not necessarily have to be expensive. It is all down to intelligent planning. You have to make use of appropriate technologies and construction systems to implement the right joints between building sections.

IS: Fortunately, attitudes are changing. Public authorities aims to show responsibility in the way they handle and select the resources and materials for their buildings. They have learned from past experience. The use of certain materials in buildings erected in the nineteen sixties and seventies have caused high costs in the long term.

BRICK-DESIGN® by Röben

A large number of natural grey tones with a wide variety of nuances were produced for the school campus in Capellen. This was made possible be taking care in selecting white-burning and high plasticity clays with a very low iron content. By adding mineral dyes and applying oxidising firing at temperatures above 1,230°C, it was possible to influence the saturation and brilliance of the grey tone.

UNBREACHABLE BRICKWORK

FORENSIC WARDS IN WIESLOCH

Planning and realisation:
Köppen-Rumetsch architects, Nürnberg

Röben hand-formed facing bricks
WIESMOOR coal-variegated, NF

The Psychiatric Centre Nordbaden in Wiesloch by Heidelberg provides psychotherapy, psychosomatic and psychological treatment for a wide range of patient groups. The facility was recently extended, with the addition of three new forensic wards for involuntary treatment.

The new building, designed by Köppen Rumetsch Architekten in Nürnberg with red-brown hand-formed bricks, joins the three wards into a cohesive block, stepped to follow the slope of the site, and also includes a parking area in the centre of the facility. The two-storey design is completed by a one-and-a-half storey external wall that surrounds the high-security area. Several sections of the bricked upper storeys project beyond the wall and into the outside space.

Independent material

The inside of the new building houses therapy and recreation rooms, medical treatment centres and living and dining areas for a total of 77 patients, over an area of 6,400 square metres. Moreover, the building integrates several outside areas, such as a garden, a walking yard and several courtyards of varying security levels.

The architects' search for a suitable material for the outside walls ended with the selection of Röben hand-formed WIESMOOR coal-variegated bricks in large standard format, with the dimensions 240 x 115 x 71 millimetres. The stone underlines the independence of brick as an earthy material in this modern architecture and forms an optical contrast to the largely concrete appearance of the overall complex. At the same time, it mediates between the new building and the historical brick buildings in the existing section of the psychiatric centre.

BDA architecture prize

The wild bond punctuated by the barred windows creates a lively impression in the brickwork surfaces. A special detail of the design is that the external walls surrounding the walking yard and the inner courtyard are formed of series of brick columns, which grant the inmates the greatest possible view of the outside, while maintaining maximum security. The brick ribs in the frames in front of the windows were another major challenge - they had to allow the windows to be opened while guaranteeing security.

The new building has meanwhile been honoured with the Hugo Häring award by the BDA Heidelberg for its high architectural quality.

Forensic wards in Wiesloch

Planning and realisation:
Köppen-Rumetsch Architekten,
Nürnberg

Photos: Anastasia Hermann, Berlin

Röben hand-formed facing bricks
WIESMOOR, coal-variegated, NF
Water absorption approx. 7.0%

IN DIALOGUE WITH THE LANDSCAPE

HEAD OFFICE ENGELBERT STRAUSS IN BIEBERGMÜND

Draft planning: ATP architekten ingenieure, Frankfurt
Final planning: Thomas Hillig Architekten, Berlin

Röben hand-formed facing bricks
WIESMOOR coal-variegated, NF
Special assortment, Röben BRICK-DESIGN®

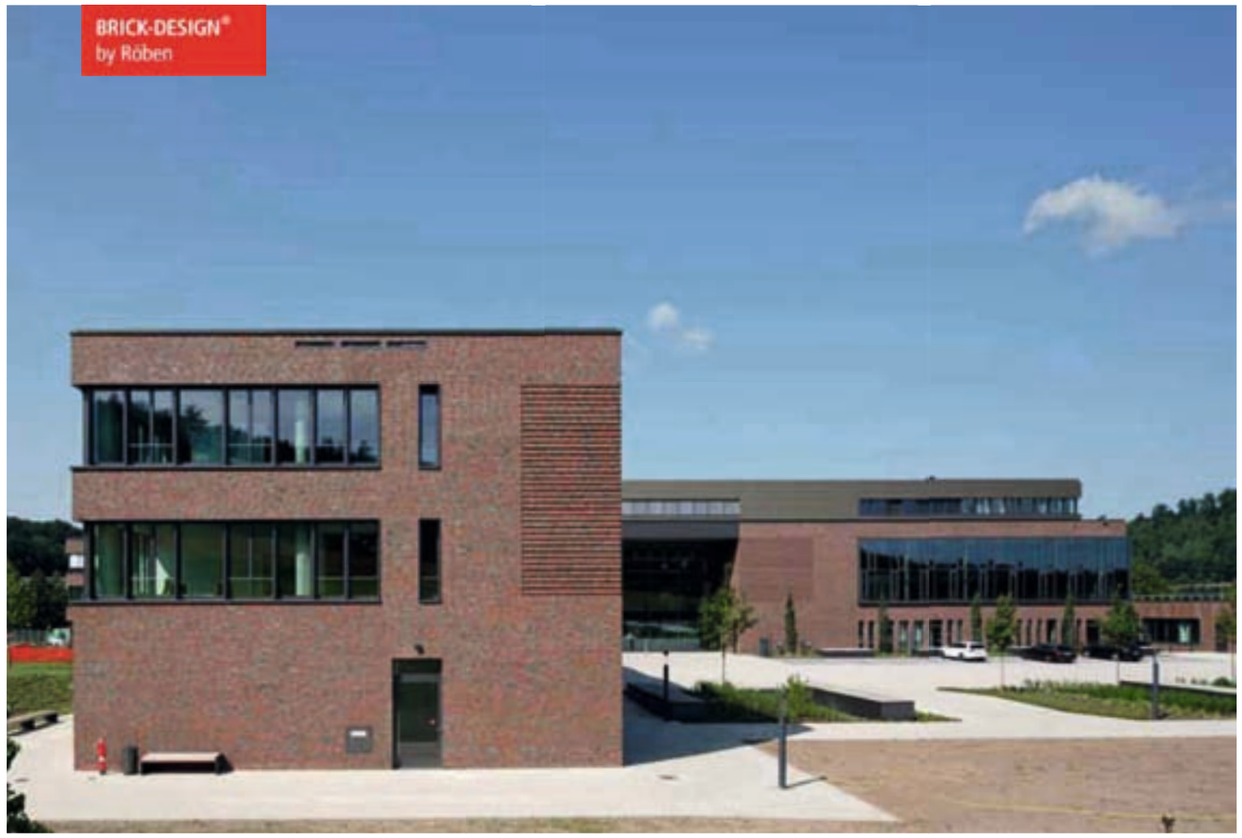
The new head office of 'Engelbert Strauss', the manufacturer of work wear and industrial safety equipment, was built in Biebergemünd by Frankfurt/M. Together with the new workwear store, it forms the Engelbert Strauss company campus. The new building's facade owes its lucid appearance to the Röben red-brown, hand-formed bricks.

The architectural concept devised by ATP architekten ingenieure in Frankfurt for the 'CAMPUS STRAUSS' was based on creating rooms and spaces with varying use qualities and functions that continue right into the entrance hall of the head office building. This hall forms an informal focus, distribution point and exhibition space. ATP has created four office wings grouped around the foyer with a depth of 15 metres.

Textured facade
The ribbon window facade consists of dark-red Röben BRICK-DESIGN® hand-formed bricks in WIESMOOR coal variegated finish. A special grade brick with reduced overburn was developed for this building. The fine reliefs on the corners of the building, in which one row of bricks is

"The rooms in the head office are oriented in each cardinal direction, rendering the surrounding landscape visible from the workplaces. This completes the conceptual cycle between nature, man and architecture."

Christian Risch,
Project manager in charge at ATP Frankfurt



set back slightly from the others, give the facade a horizontal structure and increases its plasticity. In this way, the building fits in harmoniously with its surroundings. The roofs form a fifth facade, which are planted with greenery

"The Workwear store comes into view along the street as an immediate landmark for customers, while the administrative buildings are oriented in each cardinal direction, rendering the surrounding landscape visible from the workplaces. This completes the conceptual cycle between nature, man and architecture," says Christian Risch, project manager in charge at ATP Frankfurt. Lightness brings about creativity.

The building, which is intended to cover its entire energy requirements from renewable sources such as solar power and geothermal heat, engages in a dialogue with the landscape. The administration and sales divisions cover a total floor space of 25,000 m² and are clearly distinct from the outside, even though they merge naturally with the surrounding landscape and other buildings.

The large rooms and outside areas create a lightness and support pleasant and relaxed working that promotes creativity and motivation - including the lunchtime kickaround on the sports ground in front of the offices.

Head office of Engelbert Strauss
in Biebergemünd

Draft planning:
ATP architekten ingenieure, Frankfurt
Final planning:
Thomas Hillig Architekten, Berlin

Photos: Cornelia Suhan, Dortmund

Röben hand-formed facing bricks
WIESMOOR, coal-variegated, NF
Special assortment, Röben BRICK-DESIGN©
Water absorption approx. 7.0%

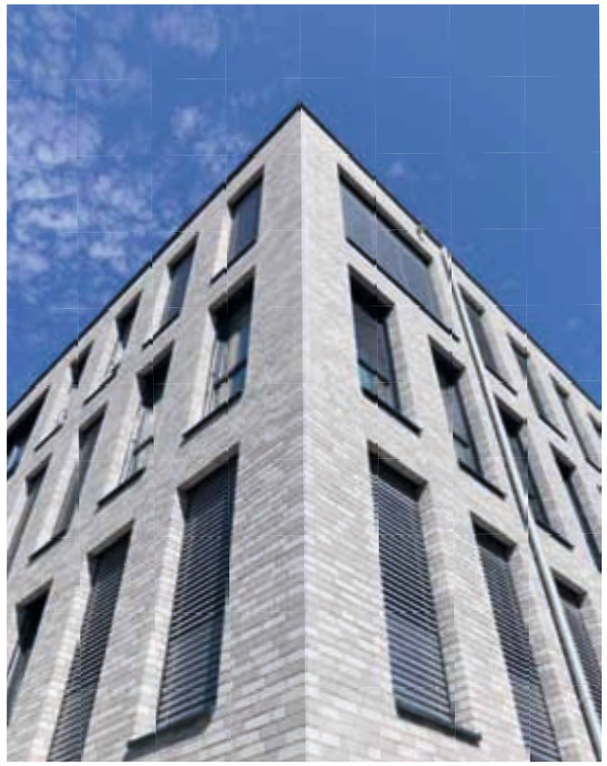
BRICK-DESIGN®
by Röben

POWERFUL END POINT

RESIDENTIAL AND COMMERCIAL BUILDING IN LÜNEN

Planning: Schreiter Architekten, Lünen

Röben BRICK-DESIGN®
Special grade



BRICK-DESIGN®
by Röben

In 2002, the Lichtburg cinema in the Westphalian town of Lünen closed its doors for the last time. Afterwards, the building underwent several changes of ownership, and a whole series of building ideas were subsequently developed that were never put into practice. By 2013, the building was completely dilapidated and had to be demolished, to be replaced by a new modern and bright brick building.

While the east side of the building has a four-storey construction and tapers off towards the adjoining buildings, the side of the building - which was designed by the local Schreiter Architekten office - towards the Wallgang, a green corridor that marks the course of Lünen's former medieval city wall, is of a three-storey design and is set back from the boundary of the plot. This leaves adequate space for the green area and for allowing access to the accountancy office belonging to the owner. An inner courtyard provides light to the office areas facing north. In addition to the owner's accountant's office, the Schreiter architects office is also housed in the building, while an estate agent and other service providers have also found new premises here. Four large apartments, each with an area of around 110 square metres and a large roof terrace, offer exclusive living in an excellent, central location.

Bricks by request

Right from the start, the owner expressed a desire for a grey brick facade. Detailed planning of colour and texture led the owner, along with architect Björn Schreiter, to the Röben brickworks in Bannberscheid. The Brick-Design® process conducted in collaboration with the Röben technicians and designers based on the YUKON ceramic brick resulted in the development of a less rough surface, while the different, somewhat warmer grey tones were precisely defined. The bricks were finally produced by a custom firing.

The strict character of the facade with its high windows is broken up by the coloured balcony recesses in the four-storey section of the building and the set-back entrance areas on the ground floor. All brick lintels, including those of the wide-open balcony recesses in the south-western corner, were designed and produced as ready-made components by the Röben planning service. With its light-grey brick facade, the building now forms a powerful end point to the inner-city buildings, while at the same time, its angular form is an appropriate addition to both Lange Straße and Wallgang.

Residential and commercial building in Lünen

Planning: Schreiter Architekten, Lünen

Photos: Ulrich Wozniak, Salzbergen

Bricks:
BRICK-DESIGN® Special grade based on Röben ceramic clinker bricks
YUKON, NF

Water absorption approx. 1.5%

CHILDREN'S PARADISE

DAYCARE CENTRE WITH COMPETENCE CENTRE FOR CHILD DEVELOPMENT, FURTWEG, HAMBURG

Planning: Folker Schneehage,
Dipl.-Ing. Architekt, Hamburg

Röben clinker bricks **ADELAIDE** burgundy, NF

When you take a closer look at the Furtweg children's daycare centre in Hamburg's Stellingen district, it is nearly enough to make you want to return to your childhood. The twin-section body of the building was skilfully oriented in accordance with the elongated curve of the 1,500m² corner plot. The 120 children are looked after on the ground and first floors while the two floors above will house practices for paediatricians and speech therapists.

A striking feature is the rounded facade on the end face side that follows the course of the road. It is crowned by an enormous open beam that forms the visual conclusion of the large roof terrace in the stepped upper storey. As the owner, Prof. Helmut Greve, generally keeps all the buildings in his portfolio himself, he attaches great importance to their long service lives.

Shimmering colour effects in sunlight

High-quality, sustainability and economic efficiency are the requirements of the building, and so right from the start, Hamburg architect Folker Schneehage planned to use clinker bricks. In addition to the economic aspect, the appearance of the bricks was naturally also important. Standard format Röben ADELAIDE clinker bricks in burgundy develop their attractive colour effects best of all when sunlight falls on the rounded surface of the facade.

The large windows that go down to floor level ensure excellent lighting conditions inside the building. A 100m² multipurpose room is located in the ground-level side wing, which is joined to the main building by a glass corridor. The room has sliding windows that lead to the garden and playground. All rooms have parquet flooring and underfloor heating, to ensure that toddlers can crawl around in comfort.

An underground garage is located beneath the building with space for 12 cars and, in a separate big room, more space for prams and push chairs.

Planning: Folker Schneehage,
Dipl.-Ing. Architekt, Hamburg

Photos: Urs Kluyver, Hamburg

Röben clinker bricks
ADELAIDE burgundy, NF

Water absorption approx. 5.0%

ATTRACTIVE PARKING

"PARKPALETTEN" AT THE HILDESHEIM HOSPITAL

Final planning and construction supervision:
Butz + Wölbern Planungsgesellschaft mbH Architekten, Hannover

Röben hand-formed facing bricks
WIESMOOR earthy shaded, NF

The existing two-storey car park at the workyard of the St. Bernward Hospital in Hildesheim (‘Parkpalette, Werkhof’) was extended by purchasing an additional plot and building additional storeys, not only to cope with the increase in visitor and staff numbers, but also to alleviate the crowded parking conditions of the adjacent historic Neustadt area.

Due to the cramped construction window, not only was a third level plus ramp added but also a five-storey extension (‘Parkpalette Süd’), the upper storeys of which are reached with a special car lift.

The facade design was developed in close consultation with the office for monument conservation . Accordingly, Röben hand-formed WIESMOOR earthy shaded facing bricks were chosen for the building; the warm, yellow-brown colour tone harmonises well with the natural stone of the nearby twelfth-century Romanic church of St. Godehard. The facing-stone facade, coupled with the large illumination and ventilation openings, which in turn are only semi-transparent due to the relief-like steel sheet modules, mean that the building is only recognisable as a car park at second glance.

“Parkpaletten”
at the Hildesheim hospital

Final planning and building supervision:
Butz + Wölbern Planungsgesellschaft
mbH Architekten, Hannover

Photos: PROFOTO Studio Zahn,
Großenkneten

Röben hand-formed facing bricks
WIESMOOR earthy shaded, NF
Water absorption approx. 7.0%

RESIDENTIAL COMPLEX ‘9-18’ IN MOSCOW (RU)

Planning: Tsimailo Lyashenko & Partners,
Moscow-Mytishchi

Röben BRICK-DESIGN®
Special assortment comprising:
Röben ceramic clinker brinks, **OSLO** pearl-white, smooth
Röben ceramic clinker brinks, **FARO** grey-nuanced
Röben clinker brinks, **CHELSEA** basalt-variegated
Röben clinker brinks, **FARO** black-nuanced
Röben clinker brinks, **MANCHESTER**
In NF format

Located directly at the gates of Moscow and meanwhile merged with the capital, the industrial city of Mytishchi is most famous in Russia for its ice hockey club 'Atlant Moskovskaya Oblast'. A spectacular residential housing project has now just been completed directly adjoining the club's arena, which was itself newly built in 2007; the housing project consists of six buildings of varying sizes, ranging in height from 9 to 18 storeys (which gives the complex its name) and brick facades that display a vertical dark-to-light colour flow.

The delicate design of the facade and elegantly rounded form of the buildings form a refreshing contrast to the rather dull structures in the surrounding areas of the neighbourhood, thanks to the efforts of the Moscow planning bureau, Tsimailo Lyashenko & Partners.

F L O W

G E N T L E

“The aim was to give the buildings an almost black colour towards the bottom, which then becomes increasingly silvery grey moving up the building,”

Irina Sharapova,
Project architect

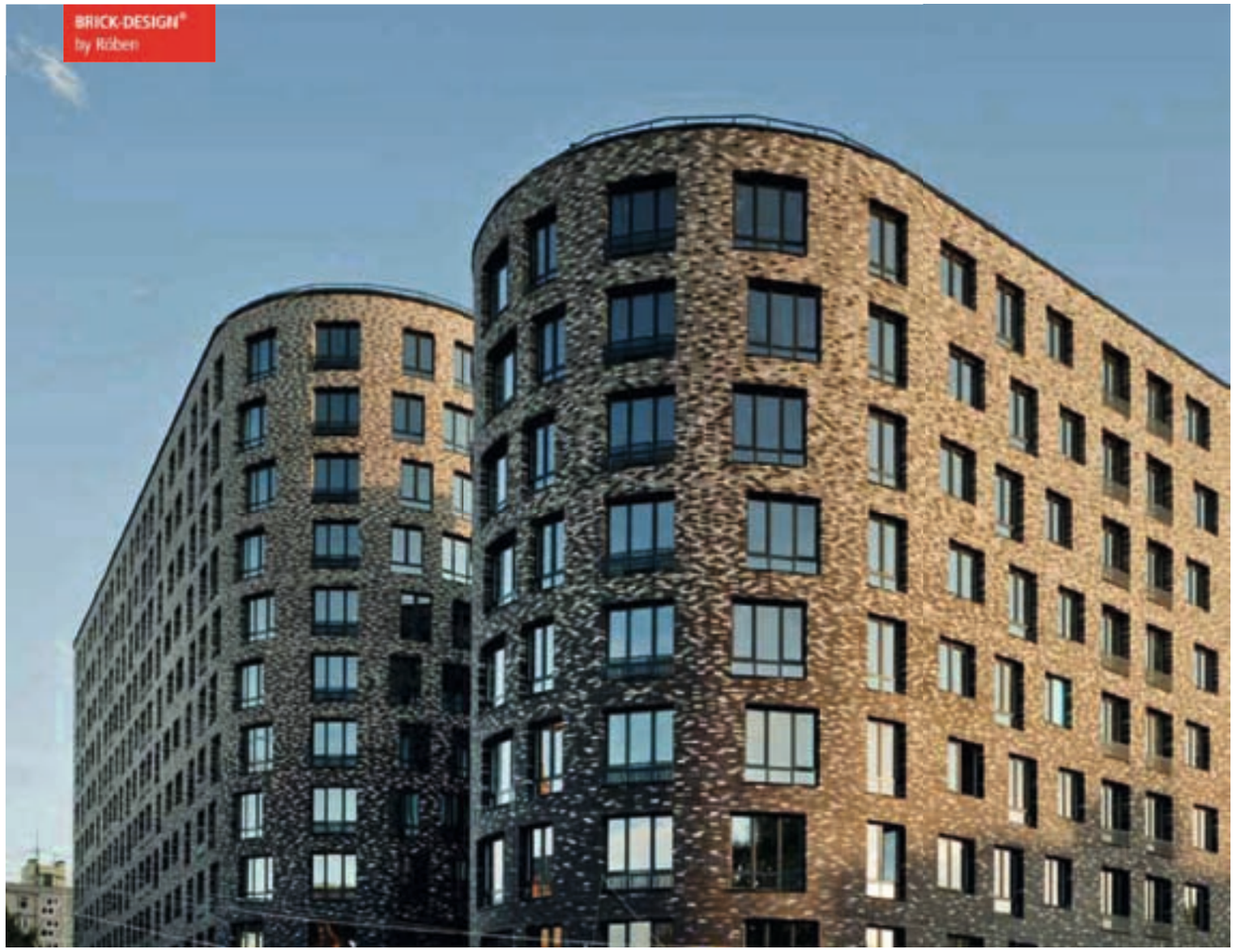
Surprising perspectives

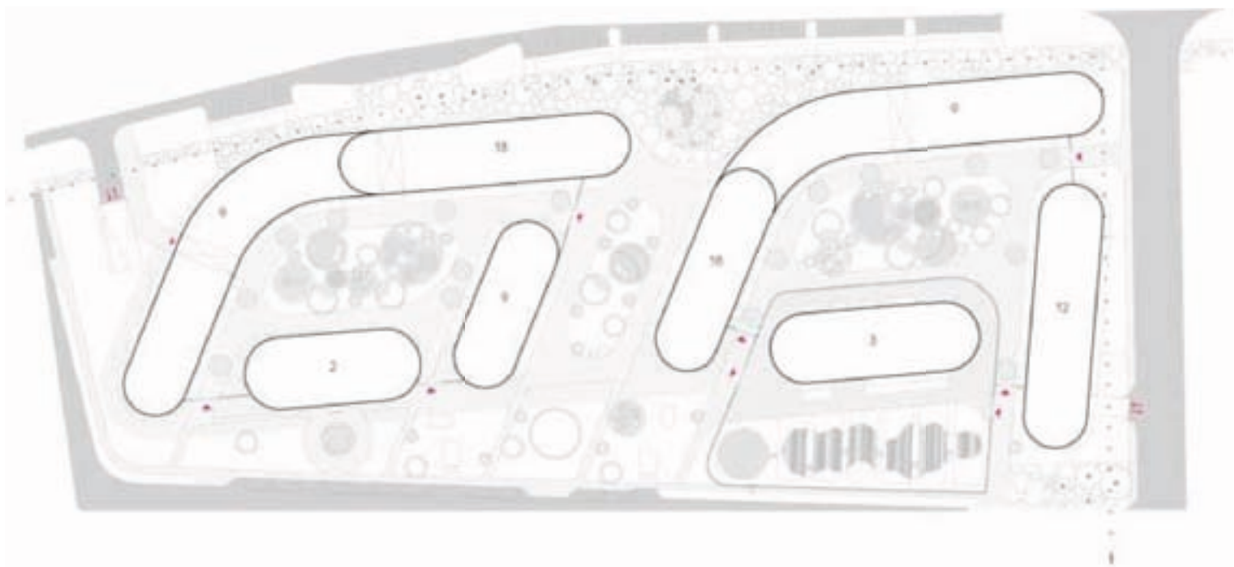
The central eye catcher of the fully car-free housing project are the two large, crescent-shaped structures that run along the north-westerly ul. Letnaya transport axis; these are complemented on the rear side by two smaller volumes. The varying heights of the buildings and their intelligent juxtaposition enable a variety of views in all apartments while at the same time giving rise to a series of semi-public squares and openings that harbour surprising perspectives.

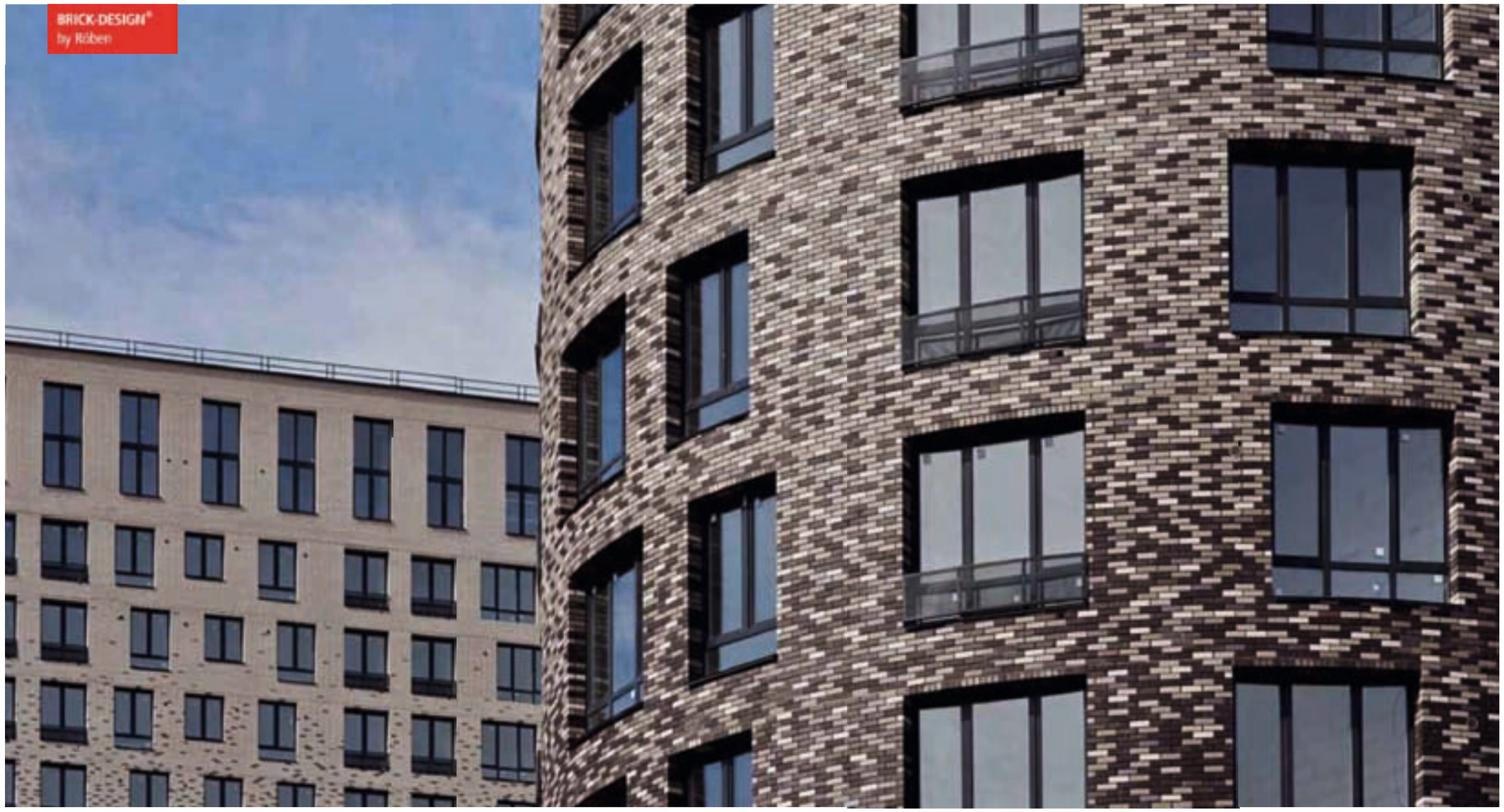
The result is a ‘city within a city’ that comprises around 1,200 apartments with a range of layouts and a total area of 145,000 square metres. The complex also includes an ice hockey school, an education centre, a media centre, an underground garage and adjacent cycle paths and jogging tracks.

Highly effective facade design

The most striking element, aside from the curved forms of the individual buildings, is the unusual design of the punctuated clinker-brick facades, with its partially recessed windows. In order to embed the building ensemble as gently as possible into its urban context, despite its enormous dimensions, while at the same time underlining the project's individuality, the architects chose to integrate a colour flow design, such that the facades become progressively lighter from the bottom to the top. “The aim was to give the buildings an almost black colour towards the bottom, which then becomes increasingly silvery grey moving up the building,” says project architect Irina Sharapova, explaining her office's basic idea; she also makes reference to Gothic cathedrals, whose architecture also appeared to reach out to the heavens. Unfortunately, we were unable to find a suitable example of this idea, which is why we approached three brick manufacturers and asked them to supply samples of four or five colour tones. We then examined the submitted facade elements on site. In the end, we decided to go for BRICK-DESIGN® from Röben, because the brick combination was the most harmonious.

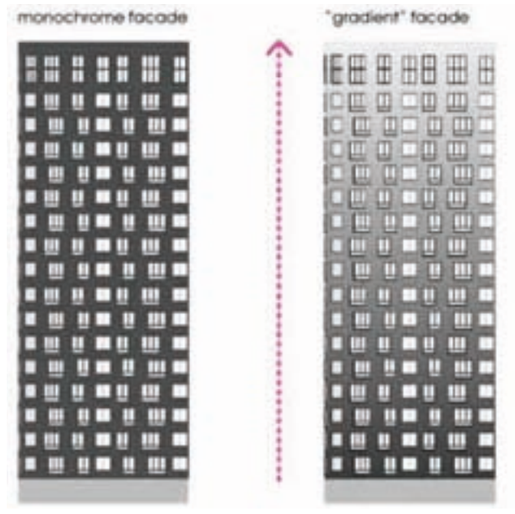


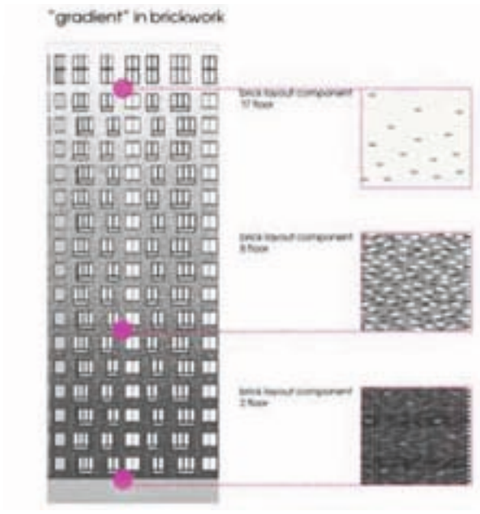


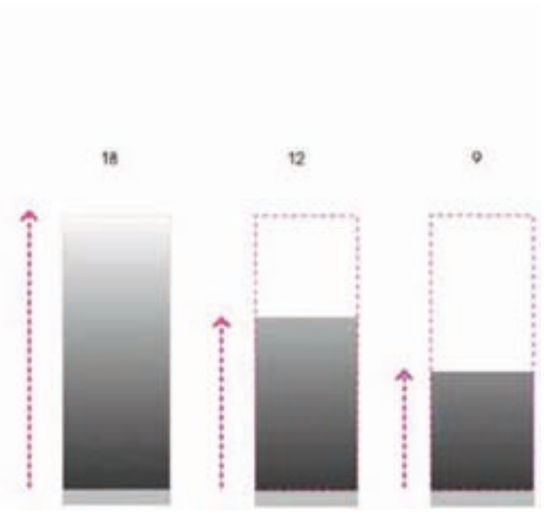


Balanced custom assortment
A total of 750,000 bricks from the Röben works in Bannberscheid were used in the project. The assortment comprises five types of clinker bricks: OSLO pearl-white smooth, FARO grey nuanced, CHELSEA basalt¬ variegated, and FARO black nuanced, in mixed proportions. Five percent of the total comprised MANCHESTER clinker bricks, whose glossy surface creates a light shimmering effect across the facade.

To obtain the desired consistency in the progression of the surface brightness, the bricks were distributed across the facade according to a specially developed 'algorithm': for each individual storey, a maximum of three different types were used, with progressively fewer dark and more bright bricks from one storey to the next. To ensure that the planned design was duly implemented, the facades were also divided into 3.5-metre-wide segments, within which the required combination was applied in accordance with a precise plan.







BRICK-DESIGN®
by Röben

BRICK-DESIGN®
by Röben

80°C temperature fluctuation

It was not just the Röben ceramic bricks' aesthetic properties that satisfied the architects but also their high quality. Because of the great temperature fluctuations that are characteristic of the region, ranging in extreme cases from -40°C in winter to +40°C in summer, the planners needed bricks that were not only able to satisfy the colour requirements but which also displayed minimal moisture absorption, making them extremely resistant to frost and dirt. "Only Röben was able to provide us with an optimum combination of characteristics," says Irina Sharapova. "That is how we know that the facades will display the same high quality in many years to come as they do now."

Residential complex '9-18' in Moscow (RU)

Planning: Tsimailo Lyashenko & Partners, Moscow-Mytischtschi

Photos: Frank Herfort, Berlin

Röben BRICK-DESIGN® special assortment comprising:	*Water absorption:*
Röben ceramic clinker bricks, OSLO pearl-white, smooth	*approx 1.5%*
Röben ceramic clinker bricks, FARO grey-nuanced	*approx 1.5%*
Röben clinker bricks, CHELSEA basalt-variegated	*approx 2.5%*
Röben clinker bricks, FARO black-nuanced	*approx 2.5%*
Röben clinker bricks, MANCHESTER	*approx 2.5%*

All in NF format

MEDIATING RECESSES

SUTTERGUT AREA, BURGDORF (CH)

Planning: **Leutwyler Partner Architekten, Zug / Zürich (CH)**

Röben clinker bricks **SHEFFIELD**, NF

On a site in the Swiss municipality of Burgdorf, where until only a few years ago, the company Aebi & Co. AG still produced agricultural machinery, the 'Suttergut' residential and working complex has now been completed according to plans by Leutwyler Partner Architekten in Zurich.

The town of Burgdorf and the company Alfred Müller AG as the owner of the site wanted to develop an attractive, lively and mixed neighbourhood on the large urban space in the direct vicinity of the railway station, which would help to enhance the location of Burgdorf.

The 'Suttergut' building ensemble with its lanes and exciting intermediate spaces creates meeting places for residents and people from neighbouring residential areas.

High quality clinker brickwork

The complex comprises two buildings with a total of 78 rent apartments and another building with 36 owner-occupied apartments. Right from the start, the architects wanted to ensure that the buildings were not homogeneous. The building shells were therefore designed with different plaster or Eternit finishes, thus taking up or re-

interpreting the typical features of the surrounding industrial buildings. Together with the renovated 'Alte Schreinerei', they form a heterogeneous ensemble.

A special, high-quality facade was, however, planned for the southern building containing the owner-occupied residences. Röben SHEFFIELD clinker bricks were used in a solid, double-shell construction. The construction process was speeded up and cost-optimised by using ready-made brick components: "lintels and balustrades were prefabricated at the Röben works and supplied to the building site just-in-time. The jointing was performed on the building site such that the transitions between the conventional brickwork and the prefabricated components are not visible," explains Adrian Zemp, project manager of the general contractor, Alfred Müller AG.

Joining new to old

The upmarket feel and robust, energy-optimised construction were enough to convince buyers. The single-storey and attic apartments with 2 1/2, 3 1/2 and 4 1/2 rooms are characterised by their intelligent and flexibly furnishable layouts, with bright rooms, open kitchens, and large balconies. Buyers were able to participate in the design of the modern and comfortable interior. In addition, around 1,300 square metres of commercial space with large windows was created. The ground floor of the buildings in the Lyssachstrasse can be subdivided into up to 12 serviceable areas of 36-400 m².

The three independent new buildings reflect the large-scale structures of the existing factory buildings on both sides of the Lyssachstrasse. The arrangement of the brick buildings with their recesses mediates between the large volumes of the old industrial architecture and the comparatively small, private buildings of the adjacent residential areas. This serves to merge old and new to form a new city district. The green spaces on the edges of the development serve to enhance the area and form gentle transitions to the existing residential areas.

Residential and business complex
in Suttergut, Burgdorf (CH)

Planning:
Leutwyler Partner Architekten,
Zug / Zürich (CH)

Photos: Manuel Stettler, Burgdorf (CH)

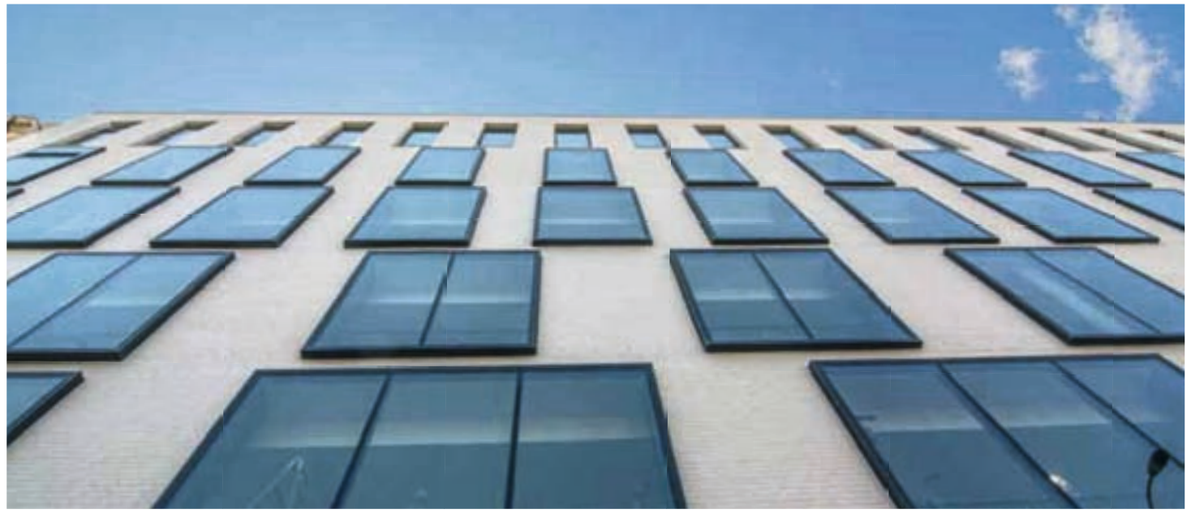
Röben clinker bricks
SHEFFIELD, NF
Water absorption approx. 5.5%

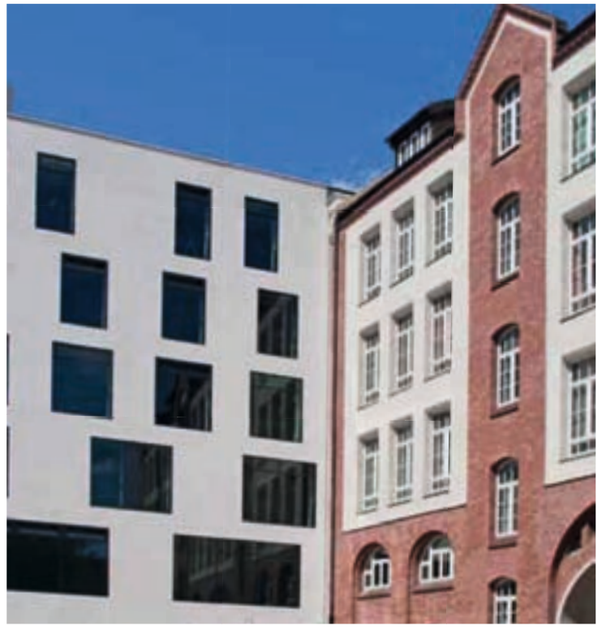
SUCCESSFUL INTEGRATION

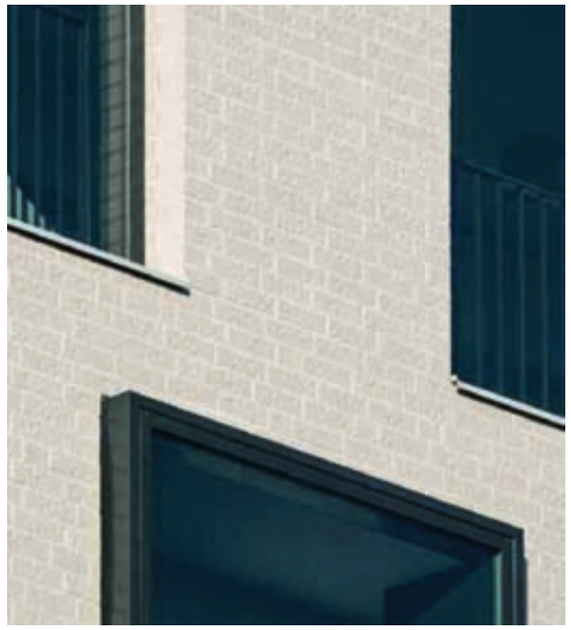
MUSIC SCHOOL, WROCLAW (PL)

Planning: Maćków Pracownia Projektowa, Wroclaw

Röben ceramic clinker bricks **MONTBLANC** pearl-white, NF







The nationally renowned Wroclaw music school was founded in 1946, and numerous famous musicians attended the school and gained their first qualifications here. However, over time, the building became less and less able to accommodate the needs of a modern musician's training establishment, and so the decision was taken to relocate it to a large new building at a central location in the Józef-Piłsudski Street. The complex, with its white clinker brick facades, was based on plans drawn up by the Maćków Pracownia Projektowa architecture bureau. Its six storeys contain a range of different rooms for a total of 600 children and young people. In addition to the spacious classrooms and numerous music halls with high-quality acoustics, there is also a chamber music hall which is available for public use, a choral room, a canteen, and a sports hall.

Radiant white

An important reference point for the planning of the new building was the monumental architecture of the neighbouring building, which was constructed in 1908 as a municipal training school and market hall. It now houses the offices of the tax authorities. To create a distinctive transition between the old and the new, the architects created the music school as a block structure, with clearly detailed forms and a modern architectural language in radiant white.

The search for a robust material of high aesthetic quality led to the choice of Röben MONTBLANC pearl-white ceramic clinker bricks. The light-coloured bricks emphasise the architecture's modern character, with its large windows, virtually flush with the facade. At the same time, they create a clearly visible but homogeneous integration with the neighbouring building, with its light natural stone facade. "An additional aspect is that white clinker bricks are hitherto quite rare in Poland," says project architect Bartłomej Witwicki. "This makes the current building all the more striking in its effect."

Prize winning architecture

The national jury of the renowned Wienerberger Brick Awards was just as convinced about the project: shortly after its completion, it was named the best building in the 'Public construction' category in 2015.

Music school in Wroclaw (PL)

Planning:
Maćków Pracownia Projektowa,
Wroclaw

Photos: Przemysław Piwowar, Wroclaw

Röben ceramic clinker bricks
MONTBLANC pearl-white, NF
Water absorption approx. 1.5%

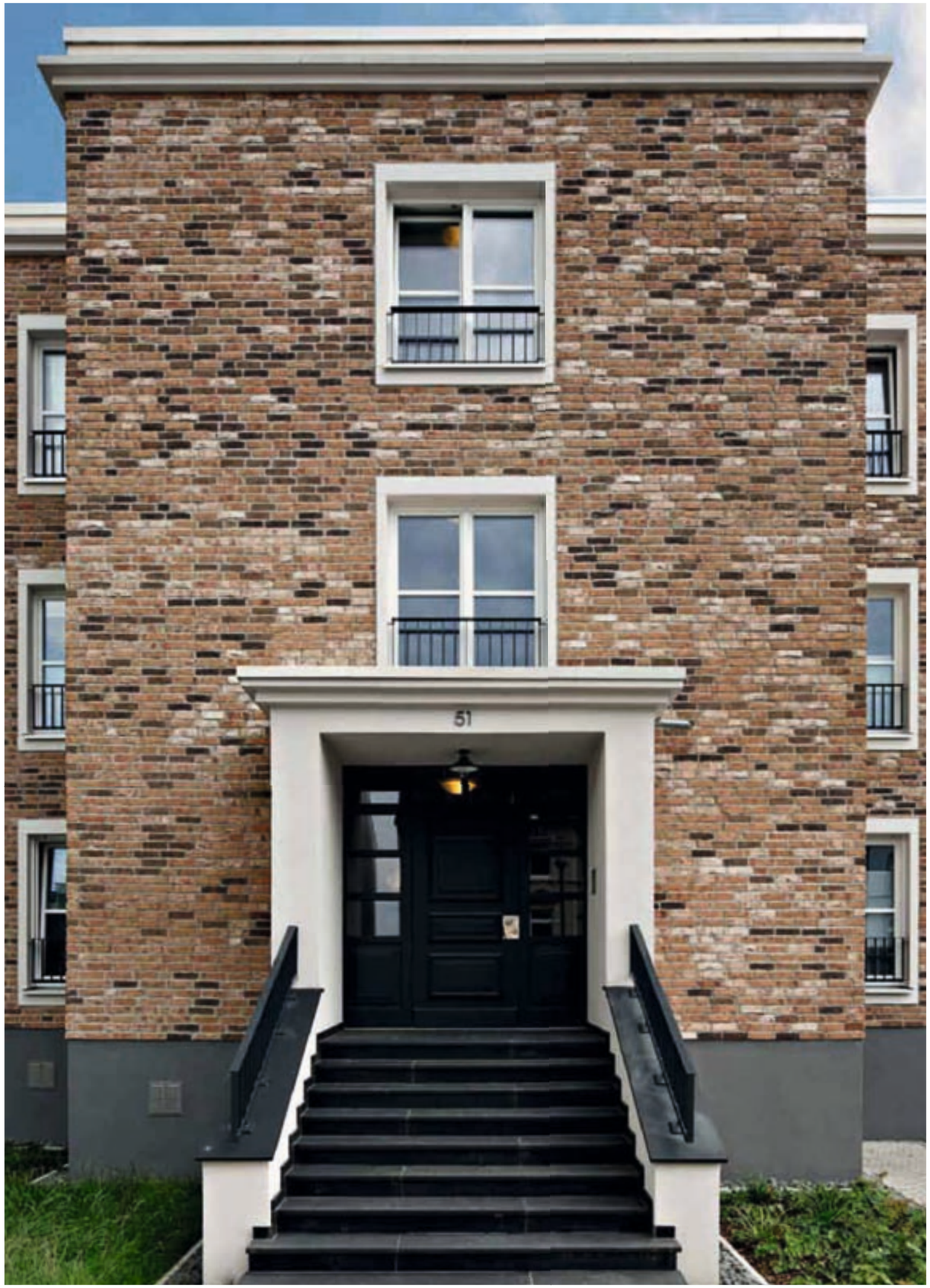
ENERGY-EFFICIENT RESIDENTIAL BUILDING IN HAGEN

Planning: **Stadtbildplanung Dortmund GmbH**

Röben hand-formed strip tiles
MOORBRAND peat-variegated, NF

On the plot of the former residential buildings in the Eugen-Richter Strasse in the city of Hagen's Wehringhausen district, there are now two new U-shaped buildings with a central gatehouse in the style of a New York town house. The brick buildings have three main storeys and one offset storey plus a gatehouse with three full storeys.

A total of 62 apartments with living spaces of between 71 and 111 square metres plus an underground garage with 82 spaces are available to rent by future tenants of the Gemeinnützige Wohnstätten-Genossenschaft Hagen e.G.



The wheelchair-accessible and energy-efficient residential design also features balconies and terraces plus modern geothermal heating in combination with underfloor heating. Although situated in a central location, the properties are in the direct vicinity of the Stadtwald woodland with its wildlife enclosure.

Slender wall cross-sections

The architects from Stadtbildplanung Dortmund GmbH selected a brickwork facade with a composite thermal insulation system and strip tiles. They ultimately chose Röben hand-formed strip tiles, MOORBRAND peat-variegated, in NF format. "The cost factor was a major aspect, and so the wall cross-sections were made considerably thinner," says construction manager Ralf Neumann explaining the decision.

The height of the largely closed front side of the building corresponds with that of the four-storey building from the promoterism period on the opposite side of the road. The external design of the buildings on the street side was determined by a classically structured brick facade based on the town-house typologies of the nineteenth century.

Residential building in Hagen

Planning:
Stadtbildplanung Dortmund GmbH

Photos: Cornelia Suhan, Dortmund

Röben hand-formed strip tiles
MOORBRAND peat-variegated, NF

Water absorption approx. 11.0%

URBAN RADIANCE

RESIDENTIAL BUILDING AND HEALTH CENTRE IN KLOTEN (CH)

Planning: Ernst Niklaus Fausch Architekten, Zurich

Röben hand-formed strip tiles
WIESMOOR coal-white, NF
Special grade, Röben BRICK-DESIGN®

The small municipality of Kloten by Zurich is above all known for the Zurich-Kloten international airport. The building complex in the town centre known as the ‘Square’ was completed in 2008 (see. Exemplum 18/2009). Immediately adjoining this project, the planners have now designed another large brick building, which integrates the public nursing unit of the town of Kloten with private apartments for the elderly, and a health centre.

To integrate the various uses within a common address while at the same considering the urban scale of the location, the planners designed the new building on the Kirchgasse as a six-storey detached structure with large windows and varied front and back recesses, including flexible recessed balconies. A special feature is the additional roof storey with its large panoramic windows. This is the location of the activity room and the wellness and health baths. The ground floor is primarily used by various health service providers and a clinic and has a continuous shop window front.

Unusual brickwork pattern
As with the ‘Square’ building, the urban nature of the project is emphasised and taken up by the new building in the Kirchgasse using a special grade of Röben hand-formed WIESMOOR strip tiles in coal-white. The cement-grey pointed tiles are laid over the thermal insulation and give the building a high-quality feel as well as the perfect, low-maintenance weather protection of a brick facade.

A special feature is the consistent stacked brick pattern, which emphasises the strictly orthogonal character of the architecture. Moreover, the strip tiles were applied in zones with differing depths and different joint formations. Zones with scooped out pointing alternate with sections in which the pointing is flush with the surface of the brickwork. This gives rise to a varying interplay of light-and shade that structures the building into the classic division of base, mezzanine, standard floor and attic. The windows of the private apartments were devised to be internally flush, while the shop windows on the ground floor contrast with externally flush mounting.

Exceeds Swiss Minergie-P-Standard
Controlled ventilators with heat recovery are installed in all residential and service rooms. Thanks to the optimum proportion of window surfaces, passive sun energy can be used in winter. Together with the thermally optimised insulation in the building shell, this results in minimal heating requirements. The energy required is provided from the groundwater by a heat pump. All in all, exceeds the energy-efficiency demands specified by the Swiss Minergie-P-requirements of 30.0 kWh/m², while the value of 25 kWh/m² is comfortably below the prescribed final energy requirements.

Residential house and health centre
in Kloten (CH)

Planning: Ernst Niklaus Fausch
Architekten, Zurich

Photos: Manuel Stettler, Burgdorf (CH)

Röben hand-formed strip tiles
WIESMOOR, coal-white, NF
Special assortment, Röben BRICK-DESIGN®

Water absorption approx. 11.0%

RESIDENTIAL AND OFFICE BUILDING 240 BLACKFRIARS ROAD, LONDON (GB)

Planning: Allford Hall Monaghan Morris,
London, UK

Röben clinker bricks **FARO black-nuanced, smooth**, DF-9 cm

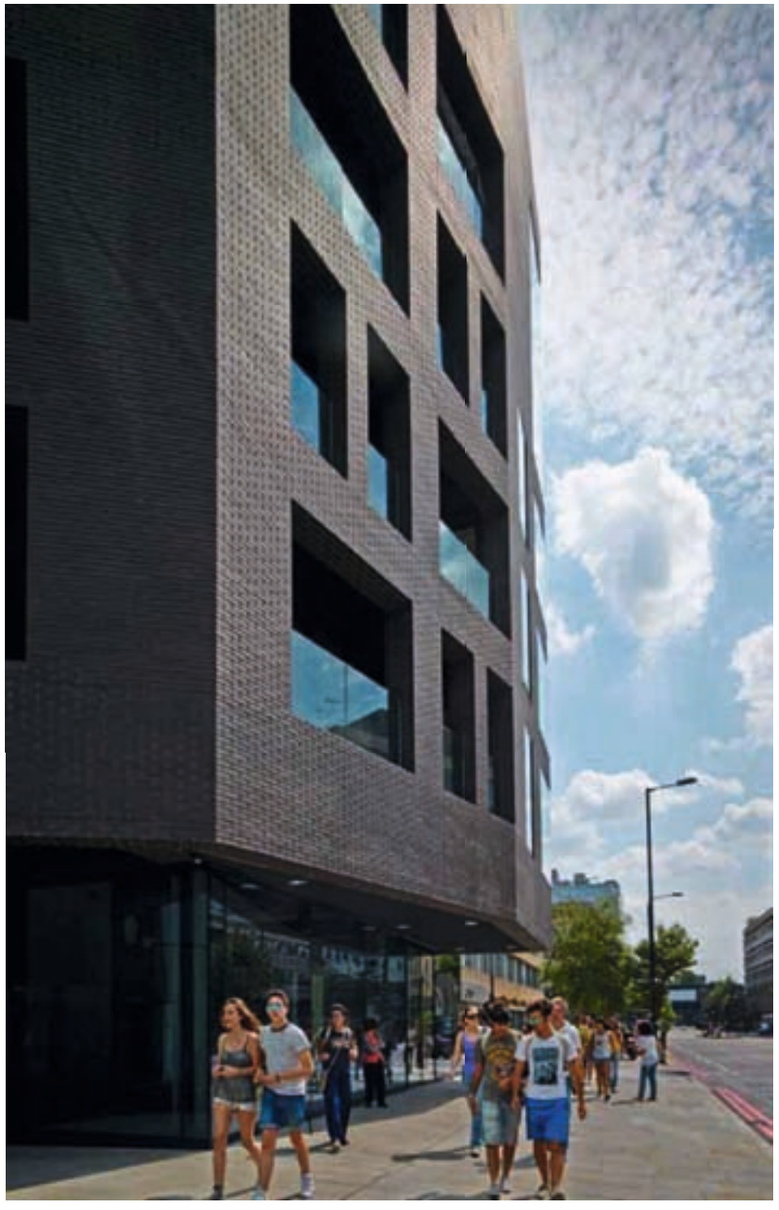
The residential and office building '240 Blackfriars Road' in the centre of London was completed in 2014 by the renowned architects, AHMM Allford Hall Monaghan Morris and stands near the Thames and the Tate Modern Museum. The rising ensemble landmark at the junction of the railway, Southwark Street and Blackfriars Road is composed of a 90-metre-high glass tower along with the adjacent 'Cubitt House' to the south, with only six storeys. Its facade was fashioned in sharp contrast using black Röben clinker bricks.

The angularly cut form of the crystal integrates around 22,000 square metres of office space behind its asymmetrical glass facade. 'Cubitt House', named after the constructor of the adjacent railway bridge, adds a further ten high-quality apartments with recessed balconies and terraces.

Special brick shape
The unusual plasticity of this section of the building is achieved through the use of Röben FARO clinker bricks, black-nuanced, smooth. The so-called DF-9cm bricks measure no more than 240 x 90 x 52 millimetres, and were applied on the site in a stretcher bond with dark pointing. They emphasise the clear and almost abstract character of the architecture, thus

S T A R K

C O N T R A S T S



Shaped corner bricks

creating a powerful counterpoint to the adjacent high-rise glass tower. The unusual angles of the building's corners, the majority of which are not rectilinear, were formed with specially shaped bricks made by Röben to match these angles.

The design of the brick 'Cubitt House' by Allford Hall Monaghan Morris has proven convincing not only by virtue of its successful integration within the surrounding buildings but also thanks to its sculptured volume design. The apartment block displays an additional special detail. To achieve a homogeneous external shell despite the existing open-air spaces, the large windows to the south were mounted flush with the facade, while the western-facing recessed balconies were cut into the volume as deeply inset openings. The imposing 'Gorge' that is created in the area between the two buildings serves as a half-open entrance area for the apartments. This opens up fascinating spatial perspectives and vistas that vary with the viewpoint.

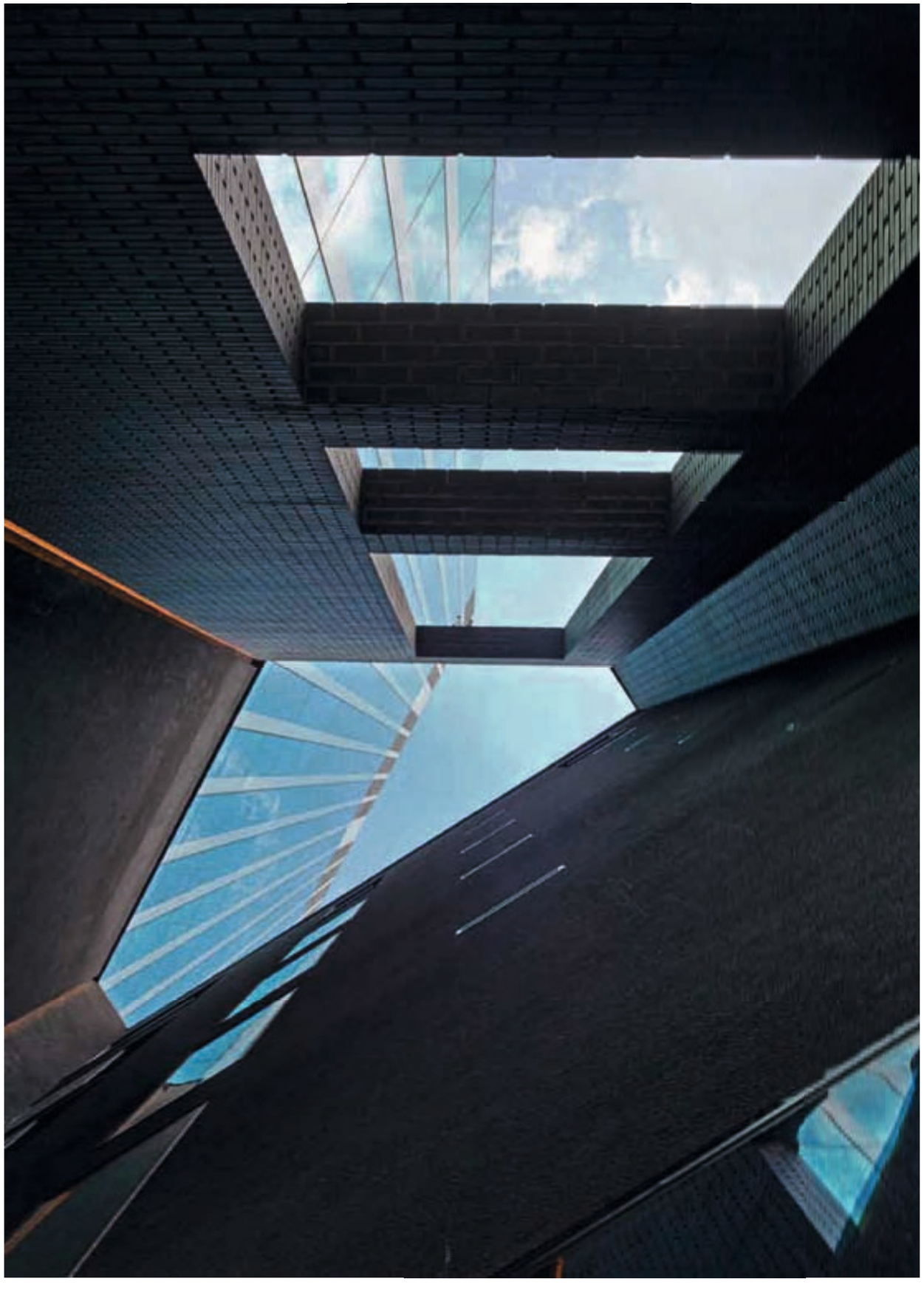
Residential and office building,
240 Blackfriars Road, London (GB)

Planning: Allford Hall Monaghan Morris,
London, UK

Photos: Timothy Soar, London

Röben clinker brick FARO, black-nuanced,
smooth, DF-9 cm

Water absorption approx. 2.5%



THE ‘LITERATOR’

RESIDENTIAL BUILDINGS IN MOSCOW (RU)

Planning: Sergey Kisselev & Partners architects bureau, Moscow

Custom architectural assortment of Röben hand-formed facing bricks FORMBACK and DYKBRAND in WDF format

An exclusive residential building complex known as the ‘Literator’ was recently completed in the centrally located Moscow district of Khamovniki. The complex was designed by the renowned Moscow architect, Sergey Kisselev, and comprises five structures, each of different sizes and deliberate variations in detail and alternating between three and six storeys, which together form a self-contained ‘city within a city’. The majority of the buildings were designed with brick facades while in some areas light limestone slabs were used as an alternative.

The name ‘Literator’ is a reference to the Russian author Lev Tolstoy. As a count, he resided with his staff in the houses directly adjacent to the site, whenever he stayed in Moscow, in a manner that befitted his standing in the nineteenth-century. After undergoing extensive restoration, these buildings now house the Tolstoy Museum.

Quiet fragmented structures

The spatial programme comprises 182 apartments ranging in size between 77 and 297 square metres. Also incorporated are guest residences, a concierge area, a kindergarten, several shops, a cafe and a fitness centre. A two-floor underground garage allows the entire area to be kept free of cars.

"A pleasant and calm environment with fragmented structures has evolved in the interplay, in which each section displays its own architectural character,"

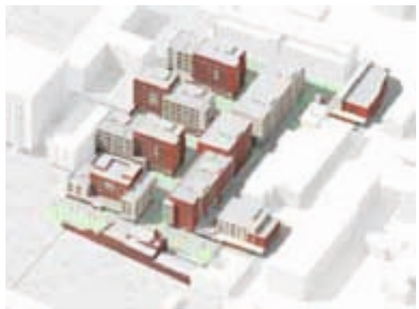
A.V. Medvedev
Project architect

The layout of the complex with its elongated block and four orthogonally adjacent volumes creates a varied grid of paths and squares that directly adjoin traditional typologies in the Khamovniki district. The complex gains additional quality from the emphatically varied architecture. "A pleasant and calm environment with fragmented structures has evolved in the interplay, in which each section displays its own architectural character," says project architect A. V. Medvedev explaining the concept. An important component of this is the facades with their numerous projections and recesses, French and recessed balconies, and wooden windows, some of which are set back diagonally, framed in light Jura limestone.

Artistic brick facades

The brick facades, created with great manual dexterity, form a powerful eye catcher. The planners made conscious use of traditional techniques in their construction. The adjoining building to the south-west, for example, contains a brickwork section in which every third brick projects from the facade by about four centimetres, creating a regular three-dimensional structure with an expressive character.

To emphasise the varied facade design, the planners wished to employ a custom brick type, for which reason they chose BRICK DESIGN® by Röben. The assortment that was specially configured for the project comprises varying proportions of three different FORMBACK and one DYKBRAND hand-formed facing bricks. The rough texture emphasises the craft-rooted nature of the facades and harmonises well with the wood and sandstone materials otherwise used. The effect of the brick facade is emphasised by the selection of the small 210 x 100 x 65 millimetre Waal thick format, laid in stretcher bond with dark pointing.



Source: Sergey Kisselev & Partners

Discreet and yet clearly visible: light Röben DYKBRAND bricks scattered within the red brickwork

'The Literator'
Residential complex in Moscow

Planning: Sergey Kisselev & Partners architects bureau, Moscow

Photos: Mikhail Serebryanikov

Special architectural assortment comprising Röben hand-formed facing bricks: FORMBACK, red-brown, light-red variegated and flashed-variegated, also approx. 5% DYKBRAND Flemish variegated. All in WDF format.

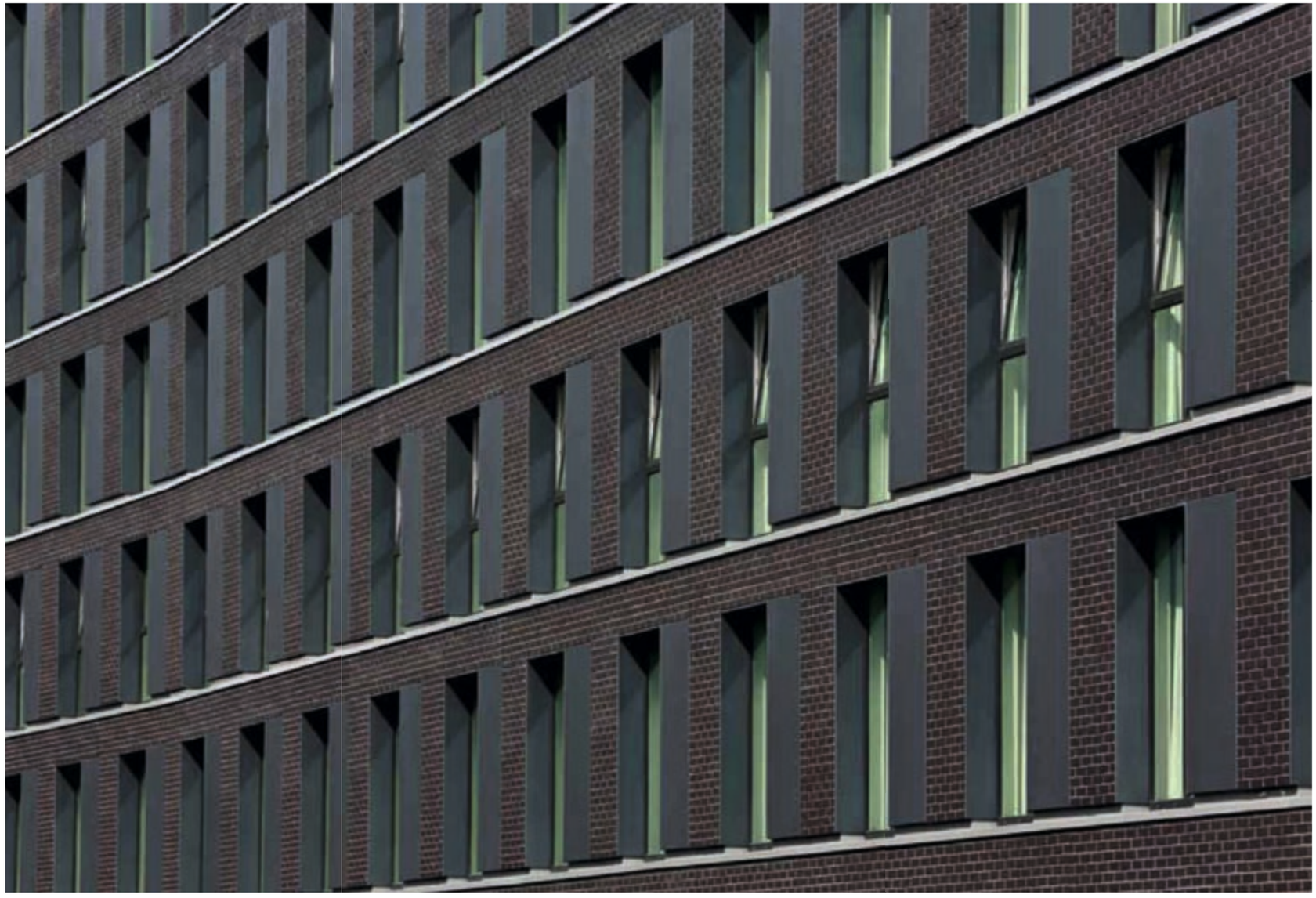
Water absorption approx. 10.0%

ELEGANCE AND DIGNITY

HOTEL COURTYARD BY MARRIOTT, COLOGNE

Planning: KKP Planungs- und Betreuungsgesellschaft mbH, Düsseldorf

Röben clinker bricks **FARO black-nuanced, smooth**, NF



The Hotel Courtyard Marriott was opened in 2004 and stands at a prominent location in the centre of Cologne. The former production site of Afri-Cola in the heart of the popular Kunibert neighbourhood was abandoned back in the late 1990s.

The new building concludes the roadside block and the eastern spatial edge of the wide Turiner Strasse on the long disused plot. With six storeys towards the Turiner Strasse and five towards the residential streets with a gross floor area of 13,700 m², the new building matches the heights of the surrounding buildings and thus integrates well with the environment.

Sustainable and robust

The building attains a large proportion of its visual independence, elegance and dignity from its dark facade. The selection – or rather the absence – of colour is firstly due to the preferences of the owner, Alexander Flach, son of the cola producer Karl Flach. But it was also the other black new buildings in the vicinity that had an effect on the decision. At the same time, the facade was to be made of robust clinker bricks, for reasons of sustainability and low cleaning and maintenance requirements.

The choice of brick pointed virtually exclusively to FARO black-nuanced, the darkest clinker brick on the market. Facing bricks on a composite thermal insulation system were fully inappropriate for the quality requirements of the hotel's outer skin. The facade was made in traditional, solid, double-skin construction with thermal insulation, and the bricks braced with consoles between each storey.

Grey tones from contrasting materials

The facades facing the road display standing window and wall elements that take up the existing rectangular formats of the old-style windows in the neighbouring buildings from the promoterism period. The arrangement of the hotel rooms in the floor plan is reflected by the storey-high pillars and metal elements. The deep, light-absorbent matt black of the brick columns together with the softly reflective grey tone of the sheet metal and mirroring windows with their dark frames create almost technically looking grey tones. In contrast, the storey ceilings were panelled consistently with brickwork ribbons that lend the building a clear, horizontal structure.
The elegant facade encloses 236 guest rooms in modern design and two suites. The central railway station, Cologne Cathedral, the city centre and the bank of the Rhine are all only a few minutes' walk away. And the fizzy black cult drink with the white palm tree is of course, right here in the building.

Hotel building 'Courtyard Marriott' in Cologne

Planning:
KKP Planungs- und Betreuungsgesellschaft mbH, Düsseldorf

Photos: Cornelia Suhan, Dortmund

Röben clinker bricks
FARO black-nuanced, smooth, NF
Water absorption approx. 2.5%

FASHIONABLE LIVING IN GREEN SURROUNDINGS

URBAN VILLAS IN LINGEN / EMS

Planning: WBR Architekten-Ingenieure, Lingen

Röben clinker bricks, **SHEFFIELD** and **OXFORD**, NF
Röben hand-formed facing bricks, **WIESMOOR**
red-blue-variegated and earthy-shaded, NF

Röben OXFORD clinker bricks

Röben SHEFFIELD clinker bricks

Röben hand-formed facing bricks, WIESMOOR red-blue-variegated

Röben hand-formed facing bricks, WIESMOOR earthy-shaded

Living close to the city in green surroundings – this is the premise by which the city of Lingen (Ems) is building the new Emsauenpark Reuschberge on the site of the former Scharnhorst army barracks in Reuschberge, providing contemporary living for young and old, singles and families, in the form of single-family homes, semi-detached and terrace houses, urban villas and town houses.

Only about 1,000 metres as-the-crow-flies from the marketplace and surrounded by the Dortmund-Ems Canal in the east and the naturally meandering Ems in the west, an extensive park landscape is being created at a central location, framed by attractive urban residential buildings.

Varying brick textures

In the north of the Emsauenpark and thus directly adjacent to the Reuschberge district, plots are being made available for the building of single-family homes as well as semi-detached and terrace houses. Town and terrace houses are also being built to the south west. Somewhat more sophisticated are the generously proportioned residences of the five urban villas in the centre of the area, planned by 'WBR Architects Engineers, Lingen.

With their three brick-lined storeys and fourth slightly set-back, white-plastered upper storey, these villas do not dominate despite their direct proximity to the adjacent single-family homes, and their clear and reduced form language does not clamour for attention. To create a varied visual appearance, Röben facing bricks of different colours and textures were used in the buildings' facades: the two classic red clinker varieties SHEFFIELD and OXFORD were combined with hand-formed WIESMOOR bricks in the colours red-blue-variegated and earthy-shaded.

Generously proportioned living space

For the wall openings, property developer Ludwig Krämer from Wietmarschen employed fair-faced lintels, developed and prefabricated by Röben PlanungsService: low cost and faster building progress are the advantages that become all the more important in a construction project of this scale. The ensemble has a joint underground garage located beneath all the buildings, with direct lift access to all residences. This is also where the storage rooms allotted to the residences are located. The apartments themselves have sizes of between 70 and 120 square metres and are conceived for singles and families. All residents have the use of large balconies and terraces.

The urban villas constitute large living spaces in excellent locations directly by the park, with a view of the newly developed waterway and landscape park as well as access to the central axial foot and cycle paths through the Emsauenpark. The bank of the Ems is also linked with the town centre. Living in green surroundings near water while remaining close to the city has now become reality.

Emsauenpark

Urban villas in Lingen/Ems

Planung: WBR-Architekten-Inginieure, Lingen

Photos: FOTODESIGN Ulrich Wozniak, Salzbergen

Röben clinker bricks SHEFFIELD, NF

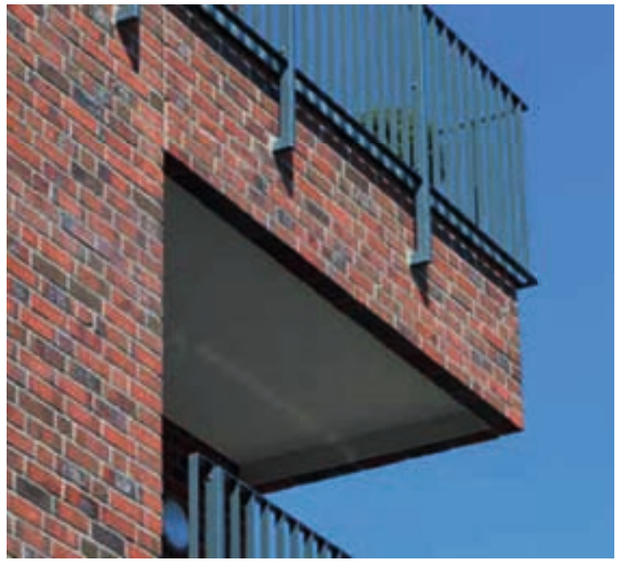
Water absorption approx. 5.5%

Röben clinker bricks OXFORD, NF

Water absorption approx. 5.5%

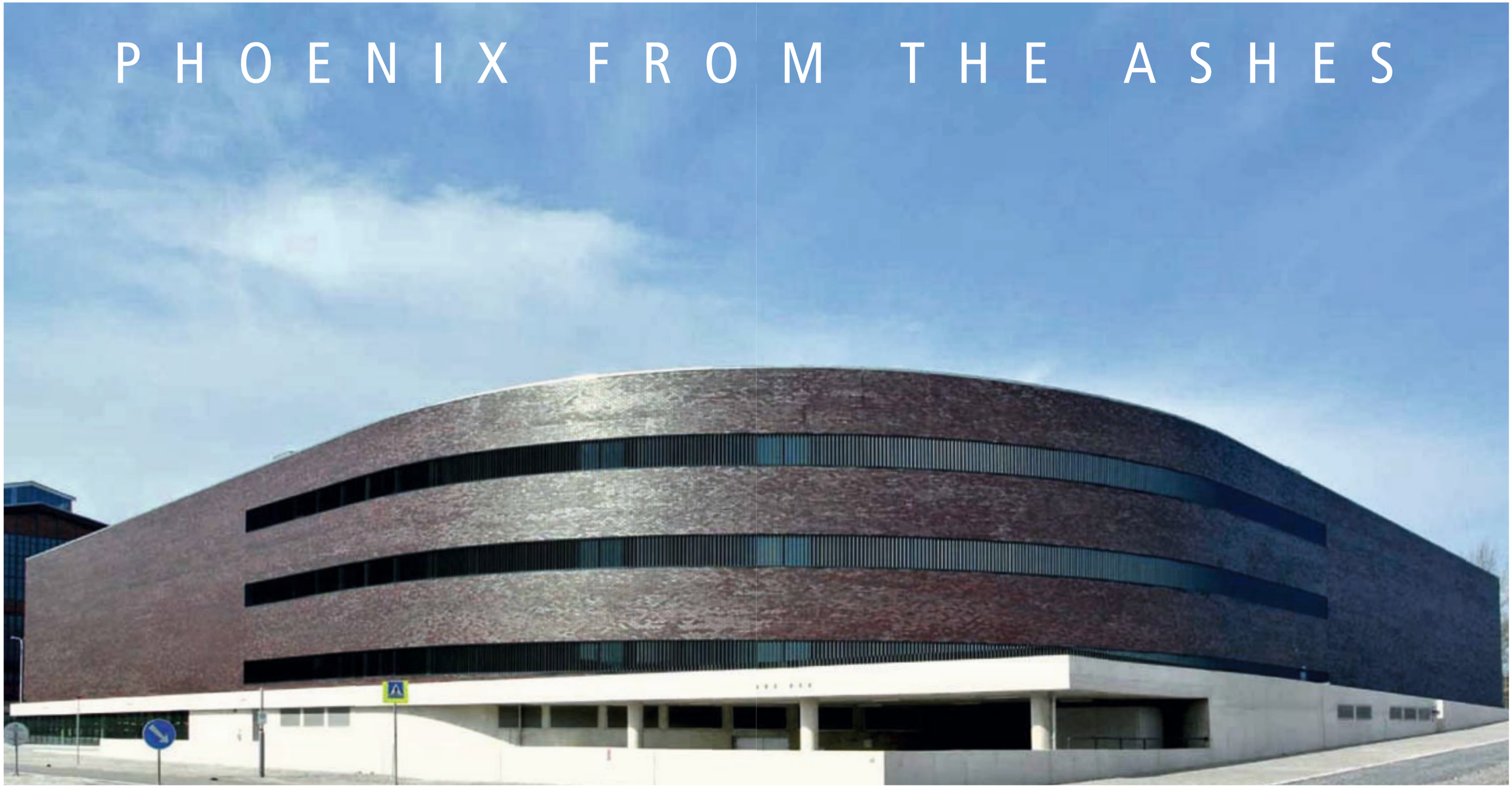
Röben hand-formed facing bricks WIESMOOR, NF

Water absorption approx. 7.0%



All-round ready-made brick components with three courses were attached to the projecting concrete slabs; further conventional bricks were then laid on top by conventional means. The railings are attached to the concrete upstands located behind.

PHOENIX FROM THE ASHES



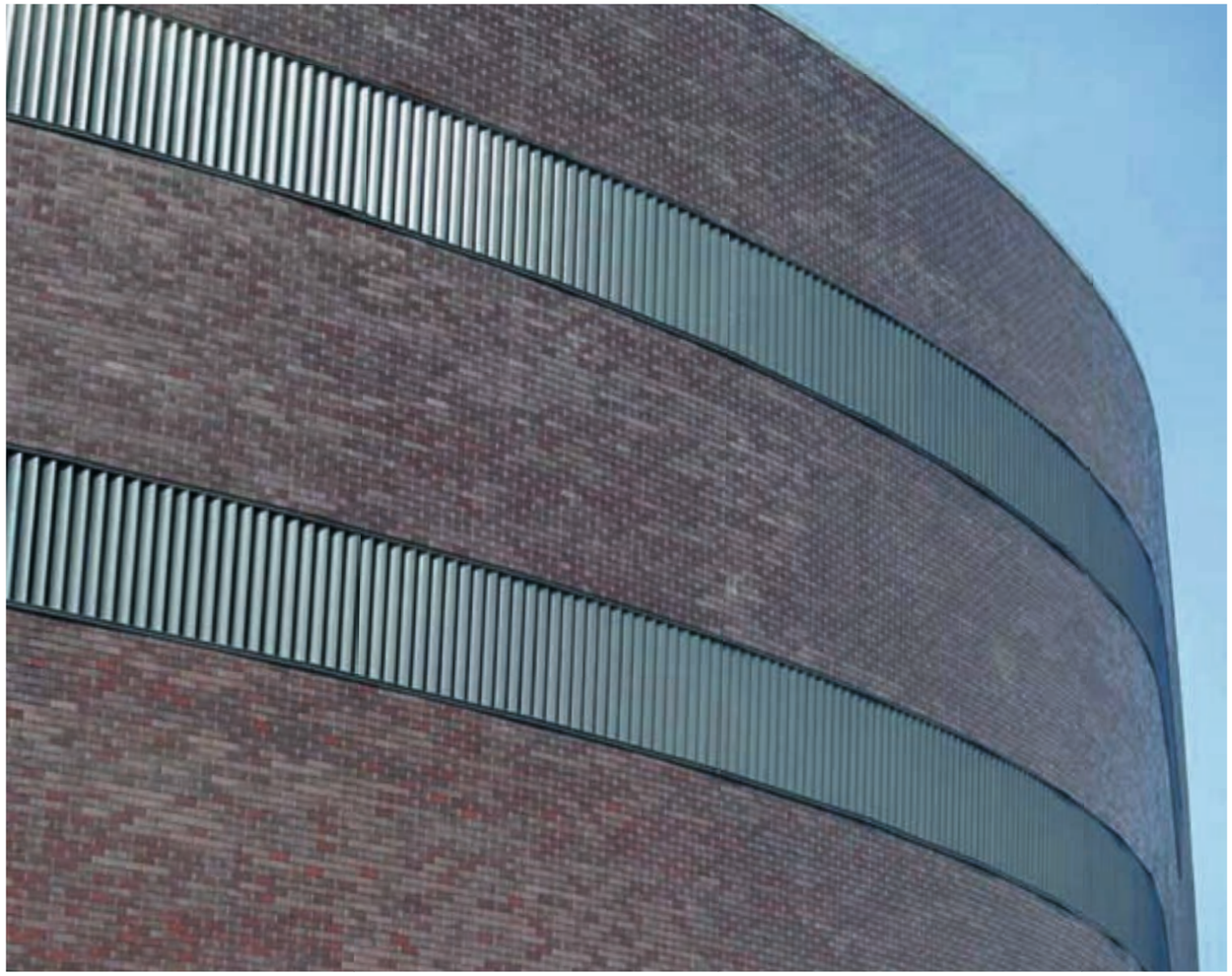
SCIENCE AND TECHNOLOGY CENTRE OSTRAVA (CZ)

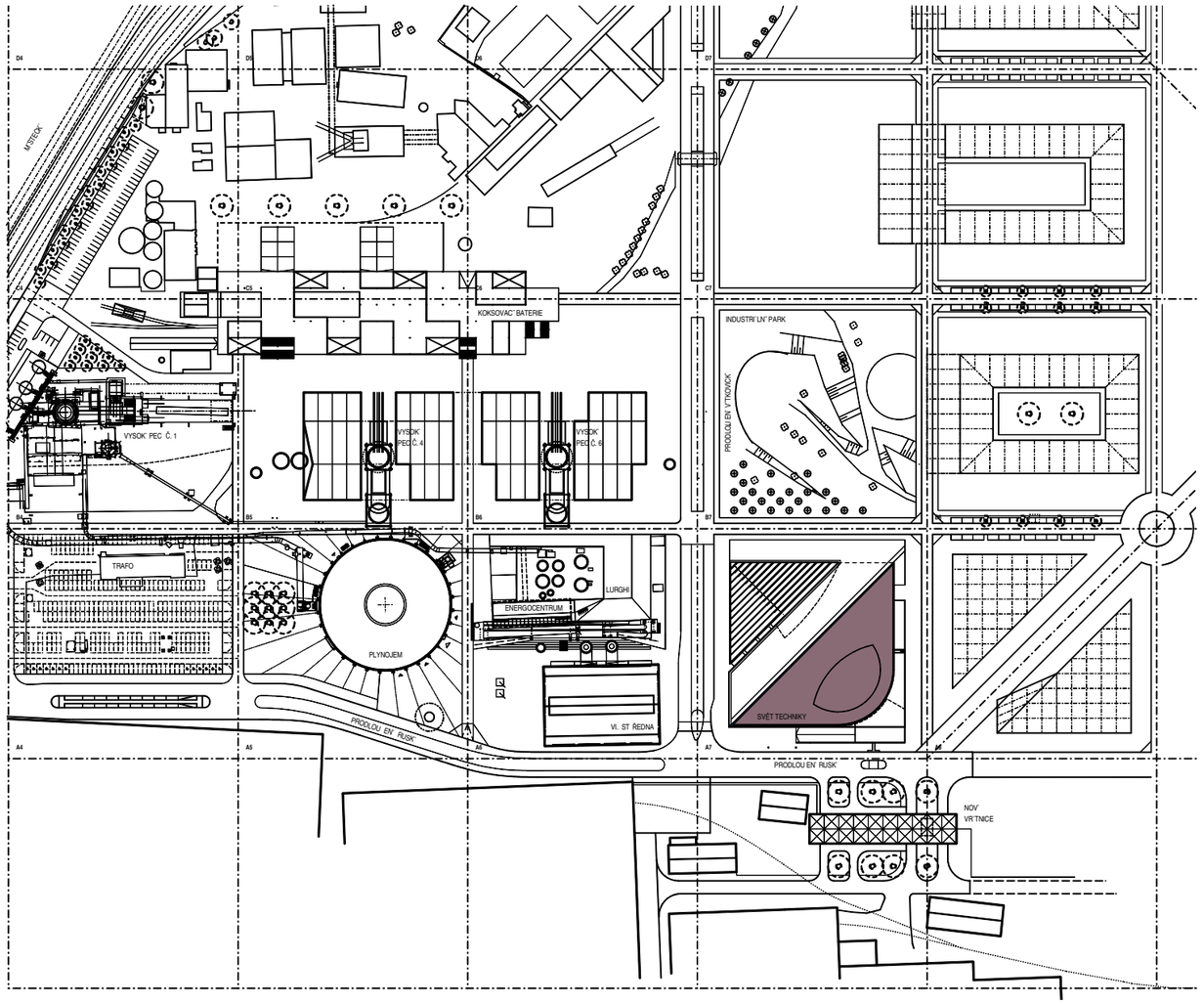
Planning: AP ATELIER
Josef Pleskot, Prague

Röben clinker bricks, **ADELAIDE** burgundy, NF

The ‘World of Technology’ science and technology museum was opened on the site of the former Dolní Oblast Vítkovice (DOV) coal and steel works, located on the edge of the Moravian city of Ostrava, in autumn 2014. Over an area of around 4,200 square metres, it presents various exhibitions and also houses a large auditorium. It is an impressive building of mirrored glass and brickwork.

For a long time, DOV was one of the biggest industrial plants in the Czech Republic. In the first coke furnace in the former Austria-Hungary, steel was produced here from 1828 onwards. After it was closed down in 1998, the area fell into disuse. Meanwhile, the national industrial monument is open to the public and in the next few years it is to be reconnected to the city. Moreover, the furnaces and shaft towers serve as an impressive backdrop to the country's biggest music festival.





Rounded 'corner'
The renowned Prague architect, Josef Pleskot, was contracted with creating the design of the new museum building; he had previously also transformed the directly adjacent former gasometer from the steel works into the multifunctional 'GONG' hall. Beginning from the position of the plot at the eastern edge of the former steel works, the architect developed a modern, detailed, four-storey building with a basically triangular outline.

Its facades are oriented towards the east and south above an elevated reinforced concrete base, in the form of rounded, 160-metre-wide brick walling. The imposing curved structure of the largely closed front is emphasised by the three elongated horizontal window ribbons, around 70-metre-wide, whose glazing composed of profiled glass emphasises the industrial character of the location.

Towards the north east, the building gives a fully different impression; the view above the reinforced concrete base, which is here accessible as a visitor platform, is dominated by a reflective glass facade measuring 125 metres wide by 12.5 metres high, which presents an impressive mirror reflection of the old industrial facilities. Behind the enormous glass front, visitors in the interior are faced with two light-flooded and openly interconnected exhibition platforms, along with a largely closed, lenticular auditorium, whose sole illumination is provided by way of skylights. This includes a splendid view of the historical location.

Old brickwork and reflective glass
The rounded brick facade to the south east was created as a double-skin wall with interior insulation made from mineral wool. The search for a durable and optically attractive brick finish for the outer shell led the architects to RÖBEN ADELAIDE clinker bricks burgundy in standard format. These bricks are produced at the Röben works at Środa Śląska near Wroclaw.

With its characterful coloration and its lightly shimmering surface, it creates a connection with the directly adjacent old brick industrial halls while also emphasising the clearly formed architecture and modern character of the new science and technology museum. "This respectful and harmonious transition to the existing industrial brickwork buildings was a matter of importance to us," explains architect Josef Pleskot. "This is why we chose a darker brick, which does not disturb the effect of the existing buildings, but which still differs sufficiently to give the building its own identity.

Shimmering brick facade
Moreover, the lively and colourful interplay of the bricks ensures that the large facade area is never monotonous but produces wildly varying reflections and light and shadow plays that vary with the position of the sun and the viewpoint of the observer. This unique impression is reinforced by the use of wild brick courses and the selection of dark pointing which thus recede and optically emphasise the brick, giving the facade its virtually metallic texture.

The interplay between the mighty furnaces and shaft towers has resulted in a very powerful impression of the further development and revitalisation of what was once such an important industrial location. The project was also accorded a commensurate positive appraisal by the jury of the internationally renowned Prague construction trade fair 'FOR ARCH', with Josef Pleskot receiving the 'Czech Architect of the Year' award in 2014 for his design.

Science and Technology Centre,
Ostrava (CZ)

Planning:
AP ATELIER Josef Pleskot, Prague

Photos: Klinker Centrm s.r.o.,
Czech Republic
Lukáš Kaboň, Ostrava

Röben clinker bricks ADELAIDE
burgundy,NF

Water absorption approx. 5.0%

Impressive: solid brickwork to the east and south; an enormous front of reflective glass to the north west.

Building	*Residential tower in Amsterdam (NL)*
Architects	*Bedaux de Brouwer Architecten, Goirle (NL)*
Facade	*Röben clinker bricks, FARO black-nuanced*

Building	*Three-generation residential and office building in Schüttorf*
Architects	*schröderwenning architekten, Schüttorf*
Facade	*Röben ceramic clinker bricks, FARO grey-variegated, LDF*

EXEMPLUM ARCHIVE

The entire EXEMPLUM archive is available for download at www.roeben.
The summary on these pages is only an excerpt.

Building	*Residential tower in Antwerp (B)*
Architects	*awg architecten, Antwerp (B)*
Facade	*Röben ceramic clinker bricks, OSLO pearl-white, smooth*

Building	*Residential complex in Berlin-Weissensee*
Architekt	*KNY&WEBER Architekten, Berlin*
Facade	*Röben BRICK-DESIGN® special assortment of seven different clinker strip tiles*

EXEMPLUM
ARCHIV

Building	*Residential towers in Breda (NL)*
Architects	*Bedaux de Brouwer, Goirle (NL)*
Facade	*Röben clinker bricks, FARO,*
	black-nuanced, smooth
	BRICK-DESIGN® special assortment

EXEMPLUM №22

Building	*Hotel Fahrenheit in Gdansk (PL)*
Architects	*Architekturbüro Szoty´nski, Gdansk*
Facade	*Röben clinker bricks, MELBOURNE,*
	brick-red

EXEMPLUM №20

Building	*Court building in Katowice (PL)*
Architects	*Archistudio Studniarek + Pilinkiewicz,*
	Katowice (PL)
Facade	*Röben ceramic clinker bricks, FARO,*
	grey-nuanced, smooth

EXEMPLUM №18

Building	*Office complex in Gent (B)*
Architects	*Poponcini Lootens, Antwerp (B)*
Facade	*Röben ceramic clinker bricks, YUKON, granite,*
	BRICK-DESIGN® special assortment

EXEMPLUM №22

Building	*School canteen in Frankfurt/Main*
Architects	*dirschl.federle_architekten*
Facade	*Röben clinker bricks, FARO,*
	black-nuanced, smooth
	BRICK-DESIGN®

EXEMPLUM №22

Building	*New waterworks in Warsaw (PL)*
Architects	*Ryszard Sobolewski, Warsaw (PL)*
Facade	*Röben clinker bricks, MELBOURNE,*
	brick-red

EXEMPLUM №20

Building	*'Four Suns' residential complex in Moscow (RUS)*
Architects	*Lewon Grantovitsch Chatschaturjan*
Facade	*Röben ceramic clinker bricks, SORRENTO, sand-*
	white and yellow-orange, FARO grey-nuanced,
	Röben clinker bricks WESTERWALD red, smooth,
EXEMPLUM №20	*BRICK-DESIGN® special assortment*

Building	*Residential complex Brunnmatt-Ost, Bern (CH)*
Architects	*esch.sintzel Architekten, Zurich (CH)*
Facade	*BRICK-DESIGN® special assortment, BRUNNMATT*

EXEMPLUM №22

Building	*Supermarket in Offenbach*
Architects	*Architekturkontor Faller & Krück, Frankfurt/M*
Facade	*Röben hand-formed facing tiles MOORBRAND*
	peat-variegated, 14 mm; DYKBRAND
	Flemish-variegated, 35 mm,
EXEMPLUM №21	*BRICK-DESIGN® special assortment*

Building	*Multifunctional complex in London (GB)*
Architects	*Edward Cullinan Architects, London (GB)*
Facade	*Röben ceramic clinker bricks VERSAILLES,*
	a special assortment of OSLO pearl-white,
	BRICK-DESIGN® special assortment

EXEMPLUM №18

Building	*Single-family house in Kamperland (NL)*
Architects	*Bedaux de Brouwer Architecten, Goirle (NL)*
Facade	*Röben ceramic clinker bricks FARO,*
	black-nuanced, smooth
	BRICK-DESIGN® special assortment

EXEMPLUM №18

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