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CHRISTOF DOMENIG
CEO CLAY BUILDING MATERIALS EUROPE

EDITORIAL

DEAR READER!

Space is a precious asset. Whether it's interior or outdoor, large or small, public or private: a beautifully designed, functional space means greater quality of life for those who use it on a daily basis. As living space becomes increasingly scarce and expensive, our open public spaces are becoming more and more important. These are the spaces that give our towns and cities identity, character and a sense of community. The choice of materials can play a pivotal role in defining these spaces.

In this issue of Architectum, we'll take you on an inspiring journey and show you a redesigned shopping street in Telford, a pedestrian zone in Hamburg and the revitalisation of a historical area in Lithuania as well as private gardens in Belgium and the USA.

Inspired? Visit us online at www.architectum.com.

By the way: You will have noticed that we slightly modified the layout of our magazine. We have thus integrated Garden & Place into the international magazine series Wienerberger publishes for architects, designers and planners.

Enjoy leafing through the latest issue,

Christof Domenig



IMPRINT

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**GERMANY****ANTHRACITE-BLUE TREND COLOUR**

Complimenting typical brick colours, speciality dark shades are becoming a trend in gardens and terraces. Wienerberger has expanded its colour spectrum with the new "Sylt" anthracite blue paver. In addition to the system, the project utilises LED lighting elements to visually highlight design. This landscape solution comes equipped with a light-emitting diode (LED). As the elements are produced in the classic paver format, they can be used to upgrade existing surfaces or garden paths.

www.wienerberger.de

**BELGIUM****OPEN SECRET**

The quality of public spaces characterises the image of a city or municipality. With the new UrbanA+ paver range, Wienerberger Belgium provides a solution to further enhance this quality. The pressed pavers are available in red, black and purple and are specifically developed for pedestrian zones, cycle paths, squares, and reduced-traffic road surfaces. High-wear resistance and minimal absorption of water guarantee a long lifespan. UrbanA+ pavers fulfil highly demanding technical criterion and ensure compliance with all public sector requirements.

www.wienerberger.be

**BUCHEMPFEHLUNG****LANDSCAPES OF CHANGE:
INNOVATIVE DESIGNS AND REINVENTED SITES BY ROXI THOREN**

Timber Press 2014, Paperback, 256 pages, English, ISBN 978-1-60469-386-7, ca. 25 Euro

Climate change, population shifts, and a host of other factors are demanding innovation and ingenuity from landscape designers. Projects now have to absorb stormwater, cool urban centres, connect neighbourhoods and provide habitation for wildlife. Landscapes of Change examines how these challenges drive the design process, inspire new techniques, and result in innovative works that are redefining the field of landscape architecture.

In twenty-five case studies from around the world, Roxi Thoren explores how sites impact design. Each ground-breaking project is described in terms of the physical, material, ecological, and cultural processes that have historically shaped the site and continue to do so.



LONDON'S HOVERING GARDEN

Green spaces provide a window of tranquillity for our busy everyday lives, enhancing the experience for residents and visitors alike. Parks and municipal gardens provide a relaxing environment after a hectic day, a place for children to let off steam, a sports zone or simply a sanctuary for peace and quiet. London has plenty of green zones, public parks, forest areas and gardens, occupying almost 40% of Britain's capital; more than 14,000 hectares in total. Nonetheless, Londoners don't seem to be content with the available green areas – despite the limited availability of space for more landscaped zones. Garden Bridge will be a hovering garden rising above the water and only accessible for pedestrians. Even cyclists will be asked to get off their bikes. It's intended to be a green landmark that will turn the capital into a more pedestrian-friendly, liveable metropolis.

The proposal for the Garden Bridge originally came from actress Joanna Lumley, who developed the idea in 2006 and wanted to dedicate the bridge to the late Princess Diana. Thomas Heatherwick – most famous

for his Olympic flame cauldron, which consisted of 204 individual rose petals – has designed Garden Bridge. Together with engineers from Arup, the team won an idea competition initiated by the London transportation company last spring. If all goes according to plan, the project will span the Thames from 2018, linking South Bank to Temple station on the north bank. Experts estimate that the bridge could attract almost eight million annual visitors. The Londoners, too, are very taken by the project. According to a survey, 88% approve of the construction.

However, the project does face some opposition. Critics think that it is too expensive with costs estimated at £175 million, the equivalent of about €220 million. Nevertheless, it will probably be implemented. The Westminster and Lambeth Councils, whose vote was necessary for the permission, endorsed the plan. If Mayor of London, Boris Johnson will also give his approval, construction could begin next year.

www.gardenbridgetrust.org



Master plan for the NOMA site
Manchester, United Kingdom, completion 2012 – 2014

MECANOO

Mecanoo was established by architect Francine Houben in Delft in 1984 and currently employs 120 architects, designers and town and country planners from 25 different countries. The company's international projects range from single-family houses to public buildings and tower blocks through to estates and urban planning concepts. The projects also include outstanding examples of the application of pavers in landscape architecture such as for the Library of Birmingham (www.architectum.com), the Mekel Park at the campus of Delft University of Technology, the Dutch Open Air Museum in Arnhem, and the master plan for the NOMA Project at Angel Square in Manchester. In the following interview, Paul Ketelaars, architect and partner at Mecanoo, explains the design principles that are particularly significant for these projects.

How do you evaluate the importance of building materials in landscape architecture?

Paul Ketelaars: A well-designed public space should present textural diversity, transitions between soft and hard surfaces and attention to detail. The choice of material is intrinsic to the design. The right material quality, which is selected to suit the expected use and intended atmosphere, is fundamental to a project's ultimate success. A variety in texture and colour helps to define the use of different areas.

What are the design principles Mecanoo applies for the public space so that it is accepted and liked by the users?

In the work of Mecanoo, architecture, interior design, engineering, landscaping and town planning come together. Our designs are all based on the same attitude: people, place, purpose. We observe people



Netherlands Open Air Museum,
Arnhem, Netherlands
completion 1999 – 2000

in different cities, in different climates and from different cultures. We are searching to create identity in a world of globalisation, especially when designing public buildings and public space.

From your experience, what is the percentage of clay pavers in your landscape designs?

We choose pavers depending on the context in the respective project. Thanks to the natural qualities of clay, the Netherlands has a long history using the material. This tradition is clearly viewable in our streetscape. On the other hand, we rarely use brick in our projects in Asia, since these countries don't have a strong tradition of using brick and it doesn't fit the local setting. For our NOMA project in Manchester, we combined pavers with Yorkstone, a sandstone from Yorkshire. The contrast in colour and texture between these two paving materials works really well in this project. Here, the colour of the clay pavers matches the steel construction of the building, creating a warm atmosphere.

Please describe a few design possibilities with clay pavers that you like to use in your projects.

The wide variety in colour, surface texture and size make pavers incredibly versatile. Being a product of nature generally means that no one stone is the same, allowing for a multitude of subtle nuances in colour and shape. Furthermore, the use of clay pavers is cost-efficient, sustainable and creates a high-quality appearance that ages beautifully. Many different atmospheres can be created using different types of pavers and various laying patterns, ranging from a rustic look to a modern industrial appearance.



Mekel Park – Delft University of Technology Campus, Delft, Netherlands, completion 2007 – 2009



Paul Ketelaars,
Partner, Architect, Mecanoo



A PLACE TO MEET

“The Makassarplein forms a new central meeting point for the district. A square that could evolve into the neighbourhood’s living room. Its execution, while simple and functional, allows more social coherence, engagement, and increased safety. Such a place was sorely needed.” Nevin Özütok, District Alderman, Amsterdam East

The Indies District in Amsterdam East dates back to the early 20th century. The streets are named after islands from the former colony, the Dutch East Indies. The Indies District is highly diverse; both ethnically and linguistically, more than 100 languages are spoken there. Compared to all of Amsterdam’s districts, this area has the most subsidized housing, which will be converted into owner-occupied houses and flats. The upgrading of the district is also evident from the recent opening of a hip youth hostel, a promenade with cafés and terraces, a conference centre and a Mediterranean-style shopping boulevard.

MORE PARTICIPATION In the upgrading of the neighbourhood, the development of the Makassarplein lagged far behind. Surrounding residential buildings had concealed the “plein” - or square. A large part of it was nothing more than an anonymous stone surface. Its atmosphere decisively changed with the time of day: occupied by children and mothers during the day, and a well-visited meeting place for evening pastimes. In 2012, residents were involved in discussions about the future of the square. More openness and potential communication areas in the form of playing and recreational facilities, picnic tables, a terrace, more seats as well as a specific “centre”, a fountain for instance, were intended to meet the demands of the residents and provide a platform for improved community integration.

ENERGY THROUGH PLAY AND SPORTS Amsterdam’s ambitions and the wishes of its residents merge in a green and intimate homely setting. The use of adjustable luminaires reduces power con-



sumption and improves safety. Raised plant beds with grassy areas and perennials respond to the demand for a green area of great public value. The picnic tables are positioned in the shade of beautiful fruit trees. Courts and a play area provide new energy – in a both literal and figurative way.

Clay pavers were chosen for this qualitative and functional upgrade. The choice fell on a blend of ‘dik-formaat’ Ruston and Auraton. Ruston (red and purple) has an authentic and natural appearance, while Auraton (yellow, red and brown) conveys a rather hospitable and playful impression – exactly what the new layout of the square was intended to reflect. Furthermore, the colour range of the paving blends nicely with the existing urban context.

INFO

PROJECT
Redesign of Makassar Square in Amsterdam, Netherlands

CLIENT
Municipality of Amsterdam (East District)

ARCHITECT
Municipality of Amsterdam

USED PAVERS
Padova DF + Auraton DF

COMPLETION
2014



COLOURFUL ALTONA

The outdated and dark pedestrian underpass at Paul-Neumann-Platz in the Hamburg District of Altona has been completely redeveloped. The area had to be upgraded both visually and functionally. Thereby, the focus was on a barrier-free layout and the safe crossing of the busy road, Max-Brauer-Allee. The city planners and architects chose pavers by Wienerberger in six different shades as the ideal paving material.



When a Swedish investor appeared on the scene in Altona with his first inner-city furniture store, it wasn't just old buildings that had to make way. Infrastructural facilities such as streets, pedestrian underpasses, stairs and walkways were examined and experts expected a doubling of the number of pedestrians to 50,000 people per day – a clear mandate for a thorough redevelopment.

SPECIAL FORMAT IN SIX COLOURS The design competition initiated by the District of Altona was won by the Hamburg-based office *arbos Freiraumplanung*. For this project, the landscape architects selected fired clay, a characteristic building material in the Hanseatic City. This special building project required a special paver. Consequently, the planners together with Wienerberger developed a paver with a special format of 240 x 78 x 71 millimetres, which is wider than standard format. Construction works were commenced in October 2013. Six clay paver types

were used on an area of about 1,400 square metres, which resulted in a strikingly colourful result. The models Titan, Schwarzbraun Kohlebrand, Rotblaubunt Kohlebrand, Penter Blue, Köln as well as Penter Gelbbunt Kohlebrand were installed in a herringbone pattern.

FREEHAND COLOUR GRADIENT The formative element of the redevelopment is the blue-black Penter Blue, which covers almost half of the overall area. The other five colours were installed in equal shares. The official plans did not specify an exact laying pattern for the individual pavers, so the visible flow of dark shades in the underpass towards lighter paving at the railway station was laid as a “freehand mixture”. In combination with a well-conceived lighting concept and additional design elements such as a backlit, gold-coloured lamella wall, this area now conveys a safe and inviting atmosphere.

Public feel-good space
The forecourt and refurbished underpass of MaxBrauer-Allee connects the Altona railway station and Hamburg's oldest pedestrian zone. Colourful flooring, utilising six types of Wienerberger pavers, provides a warm, inviting landscape.



Christian Wagner,
landscape architect,
arbos Freiplanung, Hamburg

INTERVIEW

3 QUESTIONS WITH CHRISTIAN WAGNER:

You proposed the use of clay pavers since the first planning concept. Why did you feel so strongly about this material?

The decision to use clay pavers on this project was based on the positive experience we gathered in other developments. Here, it was important to upgrade the area and provide additional safety. An unregulated weekly market, the poor conditions of the underpass and the lighting situation led to the area being perceived as unsafe by members of the public. Since fired clay is the characteristic material of Hamburg's architecture, we deliberately banked on Wienerberger pavers. They are frost-resistant, almost indestructible, their colour never fades and they facilitate countless design possibilities.

Colourful designs are rather rare: how exactly did this colour concept come about?

Through every stage of planning, we wanted to create a colour gradient in the paving from dark shades in the underpass to a light floor covering at the end of the pedestrian ramp. Initially, only anthracite and light grey were to be used, but we concluded this

was not vivid enough. In agreement with the district authority, the idea was developed to work with five different shades. In the subsequent planning process, this developed into six colours with the Titan paver in brown-anthracite.

In collaboration with Wienerberger, you developed a new paver format. How did this happen?

We had a very clear idea of what the project should look like. To ensure the necessary shifting security on such a large floor area, herringbone installation was a necessity. However, laying pavers with standard formats in an upright position was out of the question from a design point of view. Therefore, the idea of especially thick pavers with the special format of 240 x 78 x 71mm was developed in collaboration with Wienerberger and produced in all six shades with consistency and high quality.

Before: Uninviting and dark; the area around the poorly illuminated underpass was widely seen as unsafe before the redevelopment.



After: Now the underpass radiates an inviting atmosphere. The stairs (r.) also underwent a redesign to facilitate the increased pedestrian traffic.



A backlit lamella wall made of steel sheets reminds visitors of Hamburg's "lifeline", the river Elbe. The planners from arbos chose a colour gradient for the paving, which gradually becomes brighter from the covered underpass towards the end of the pedestrian ramp.

INFO

PROJECT

Complete redevelopment of the pedestrian underpass of Max-Brauer-Allee, Hamburg-Altona, Germany

CLIENT

Free and Hanseatic City of Hamburg, District Authority of Altona, Department for Economic Affairs, Construction and the Environment

ARCHITECT

arbos Freiraumplanung GmbH & Co. KG, Peter Köster & Christian Wagner

USED PAVERS

Penter Blue, Titan Kohlebrand, Schwarzbraun Kohlebrand, Rotblaubunt Kohlebrand, Köln, Gelbbunt Kohlebrand

COMPLETION

June 2014



OUTLINED HISTORY

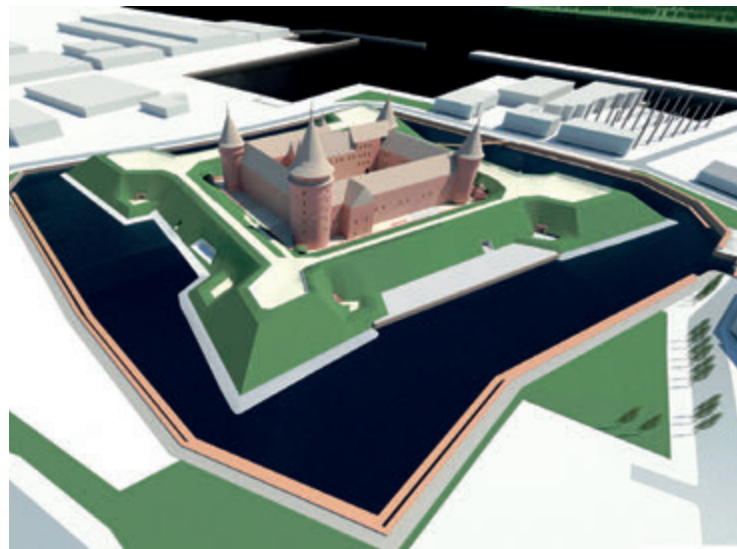
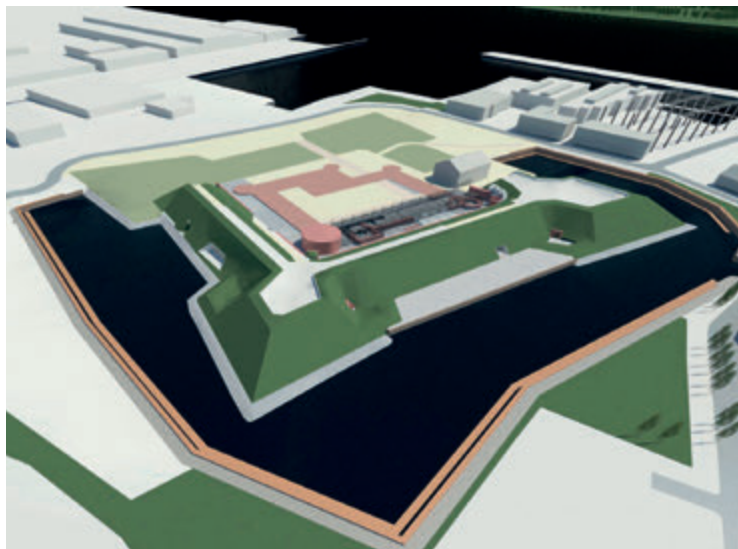
The ambitious plans of the City of Klaipėda, to rebuild a demolished gothic castle and convert it into a cultural centre, started on the site it originally stood. An exact outline of the castle's ground floor is integrated into the surface of the new square. A drawing, implemented using ceramic tiles of different colours discloses the size and the layout of the castle to the visitors.

Klaipėda Castle, which was built in the 13th century at the mouth of the Dange River, served as part of a fortification system, until it lost its strategic importance in the 19th century. Over the last three decades, the castle grounds were the property of a ship repair company, which used the water channels surrounding the Castle as anchorage for private yachts, while the castle site itself served as a boatyard.

Since the beginning of the 21st century, the City of Klaipėda has taken steps to give the castle site back to the citizens and integrate it into a system of public spaces. The ship repair company left the

castle grounds in 2009, making space for the ambitious plans of Klaipėda to create a cultural, tourism and leisure hub. In 2002, the basement already accommodated a history museum exhibiting authentic remnants of a medieval Teutonic castle and various archaeological findings.

SYMBOLIC FOOTPRINT Rebuilding the 16th century castle began with clearing the territory from the warehouses and marking out the castle's original ground plan, which was confirmed by the archaeological findings on the surface of the new square. The contour of the castle floor plan is integrated into the



The contour of the castle's ground plan was integrated into the paving and gives visitors an idea of what the historic ensemble will look after its completion.

paving, familiarising visitors with the size, structure and layout of the castle. Seeking to give the square a contemporary appearance while simultaneously ensuring its longevity and ergonomics, the architects chose Wienerberger clay pavers in natural colours: the castle walls are marked with a dark brown outline, whereas the interior spaces are filled with orange pavers. In contrast, the remaining area of the square surface is covered in grey gravel to distinguish between the inside and outside of the castle, not only visually but also by the surface texture. Though only intended as a temporary solution, the new square is set to stay for several years, until the surrounding

landscape and fortification structures are reconstructed and the City of Klaipėda is ready to replace the symbolic footprint with a rebuilt redbrick Castle.

INFO

PROJECT
Reconstruction of Klaipėda Castle, adaptation to touristic use, Klaipėda, Lithuania

CLIENT
Municipality of Klaipėda

ARCHITECT
JSC „Uostamiesčio projektas“
www.uostamiescioprojektas.lt

USED PAVERS
Wienerberger STT Red Kare,
STT Terra Kare

COMPLETION
2014



Since the start of the urban district renewal project in 2005, a better connection between the eastern and western part of the Deventer has been high on the agenda of the city planners. After a series of failed attempts, rejected due to high costs or conceptual issues. Eventually, the current plans were developed in close collaboration with the housing association “Rentree” as well as with local residents. The project was completed in April 2014.

UP AND DOWN The solution from One Architecture lays one part of the road on an elevated level and lowers the other. The roadway above was expanded to four lanes in total, with a cycle and footpath ensuring safe crossing of the busy road. Amstellaan is now able to cope with the additional traffic, providing an improved and safe connection between the two areas of the Rivierenwijk district.

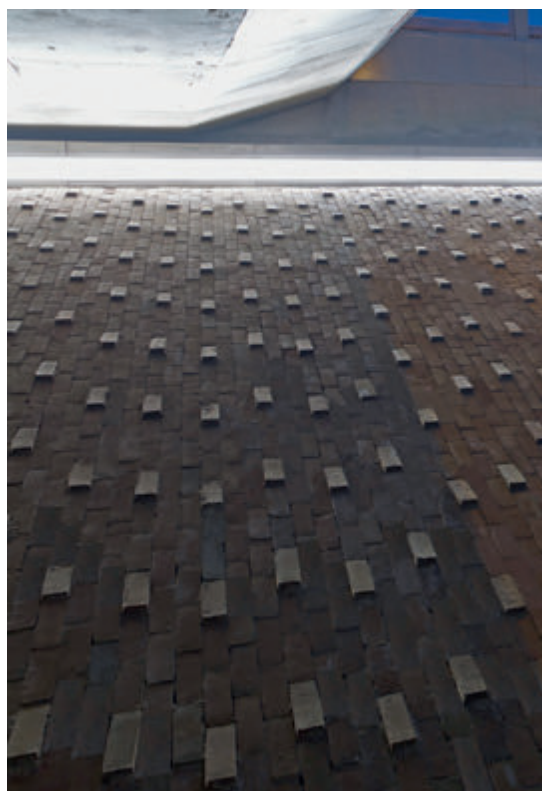




PERFECT CONNECTION

The Amstellaan embankment road in Deventer forms part of the Hanze route and is a vital urban artery of the city. Before redevelopment, the road struggled to cope with the increasing amount of traffic. The new layout brought not only functionality with regard to the logistical demands of the road, but also a visual highlight through the creative use of clay pavers and innovative lighting components.

SHADOW PLAYS A mix consisting of 80% Euroton Brons and 20 % Euroton Varia in 'dikformaat' size was used for paving the embankment. The pavers on the embankment along the underpass were laid in a staggered pattern to create an intriguing spread of light and shadow at night.



INFO

PROJECT

Reconstruction of the Amstellaan Embankment in Deventer, the Netherlands

CLIENT

Municipality of Deventer

ARCHITECT

One Architecture, Amsterdam

USED PAVERS

Euroton Brons DF + Euroton Varia DF

COMPLETION

April 2014



WARM APPEARANCE

“From the very beginning, our idea was to preserve the historical building, which was originally built as a publishing house in the middle of 20th century. While creating and developing our design, we did our best to maintain the original features, which have always represented part of the city’s history. The Hotel Tbilisi is located in one of the oldest neighbourhoods of Tbilisi. We wanted to bring back the community spirit of those days”, says Goga Chkhetia, senior architect of the Adjara Arch Group.

It is so much more than a 139-room hotel. It is a destination of its own. This former publishing house has been successfully transformed into a contemporary five-storey hotel. The essence and history of the building were maintained, capturing the raw post-industrial, offbeat Bohemian vibe that has come to define this part of the capital city.

NEW LIFE ON “BRICK STREET” Historically, the street was dubbed “Brick Street” because of a nearby brick factory. Most of the houses in Tbilisi are built of brick. With all signs pointing in one direction, the architect proposed the use of brick as a building material for the patio and also for the embellishment of the areas adjacent to the hotel. With its brownish shade, the paver generates an especially warm and natural appearance.

“We believe this redevelopment will recapture the cosy atmosphere of the neighbourhood. We used Wienerberger because the company offers a wide range of bricks and pavers in a variety of both contemporary and vintage finishes. We’ve really succeeded in breathing new life into a building while at the same time, retaining its original charm”, says Goga Chkhetia.

NOT JUST A PRETTY SPACE The redevelopment needed to bring functionality as well as aesthetic appeal, especially since the area in front of a hotel had to cope with unloading from cars and delivery vehicles. Clay pavers were therefore laid in a herringbone pattern for the slope down to the underground car park and the car parking spaces along the road. This laying pattern is the most stable solution and causes less deformation under the stress of vehicles.



Goga Chkhetia is the senior architect of the Adjara Arch Group. His projects are awarded internationally.

INFO

PROJECT
Rooms Hotel Tbilisi, Georgia

CLIENT
Adjara Arch Group

ARCHITECT
Goga Chkhetia

USED PAVERS
Penter Nero and Incana

COMPLETION
2014





TOWNSCAPE

£250 million has been invested in Telford town centre with the intention of developing a dynamic, lively and sustainable urban district for local residents, businesspeople and visitors. Wienerberger clay pavers have helped create a whole new urban environment in Southwater.





The first phase of Telford's ground-breaking Southwater development project has been completed. The unveiling of the gold-clad Telford & Wrekin Council Building signals the start of the £250million investment project in the Shropshire town. The project, which is situated on a green belt site on the waterfront, represented a serious aesthetic challenge for the developers at Morgan Sindall. The careful selection of building materials was of paramount importance to the design.

SYMBOLIC CONNECTION There was a clear requirement for the paving specified by the client to provide Southwater One with a physical and symbolic link between the bold, unapologetically modernist external appearance of the development and its natural surroundings. The Sienna (Hague Cream) pavers by Wienerberger exactly address that specification because the warm, sandy shades blend in with the surrounding natural landscape. In addition, the use of Wienerberger's Mastiek and Auraton pavers, which are distinguished by their clean grey finishes, created a crisp waterfront patina.

FOR A FUNCTIONING RETAIL LANDSCAPE The finished development is intended to create an exciting commercial space, while simultaneously radiating a sense of tranquillity and solidity. The use of clay paving has helped to realise this objective, with the natural durability of pavers addressing the desired sturdiness, while the laying pattern and colouration contribute to the serenity. With both the rigid stretcher pattern and the more sporadic herringbone technique being employed, the



retail landscape benefits from both consistency and variety. Ultimately, the project's architectural ambition promises to provide a high functioning retail landscape from which Telford can develop its business, retail, commerce, and public facilities.

Keith Barker, Commercial Director at Wienerberger, commented: "This was a scheme that required a great deal of considerations, from material performance and integration with the local environment, right down to the smallest design specification – but it's that sort of attention to detail that defined the quality of this project, and made it something that we were so very keen to contribute to."

INFO

PROJECT

Redesign of the retail landscape in Telford, UK

CLIENT

Telford und Wrekin

ARCHITECT

Morgan Sindall

USED PAVERS

Penter Dutch Pavers: Sienna, Auraton and Mastriek

COMPLETION

September 2014



HARMONIOUS COMBINATION

A whole residential quarter consisting of four apartment buildings was developed in Helsinki's South Hermanni district. Wienerberger pavers were chosen for the layout of the yards, which played a pivotal role in the overall design process. "We considered the design of the yards as part of the architectural concept right from the beginning", say architects Olli Sarlin and Marja Sopanen, who won the architectural competition for overall planning. Their aim was to create a high-quality residential neighbourhood with a cosy atmosphere.

South-Hermanni is in the vicinity of Helsinki city centre. For several decades, the area was primarily used for industrial purposes. Parts of Helsinki University were also located there. After the migration of the industry, old buildings were demolished and the area was cleared for housing construction. Only an old road built of red brick is reminiscent of the old days. The newly constructed residential buildings were finished with Wienerberger clay facing bricks. The paving material for the yards was selected in accordance with the city's plan, which outlined the use of natural building materials: the choice was between natural stone and pavers.

APPEALING CLAY PAVERS Landscape architect Soile Heikkinen from VIREARC developed the design of the yard. She explains that with this project, the materials had to reach a certain level of quality and that the slightly more robust ceramic paver better fulfilled the requirements of the building plan. "Ceramic pavers were selected to create a consistent look around the whole block. Just like the older buildings in the area, the new houses have brick façades. Furthermore, they are distinguished by their high quality and are also visually more appealing than many other materials", notes architect Sarlin.

IT'S THE BIG PICTURE THAT COUNTS The paver colour was selected based on the history of the area and the surrounding older buildings, which all show different red brick shades. The matching paver product was finally found in Wienerberger's Penter range. It was also used for accessibility ramps at the entrances and for a few staircases around the yard. The paved area measures 4,500 square metres over three yards in total. The different shapes and materi-

als generate a very special appearance, which is also nice to look at from the windows of the surrounding residential buildings. Using pavers to cover the ground was a new experience for the architects, but they are very happy with the result.

"These days, urban yards are appreciated much more than in the past, and people are ready to invest in these places. A beautiful, cosy yard increases the value of the property and of each individual apartment", notes architect Sarlin.



Architects Olli Sarlin and Marja Sopanen are happy about their solution to use ceramic pavers to cover the ground within the block of houses.



Ceramic pavers were harmoniously combined with other materials.

INFO

PROJECT
Redesign of a courtyard, Helsinki, Finland

CLIENT
VVO Asunnot Oy

ARCHITECT
Architects Sarlin+Sopanen and Landscape architect VIREARC

USED PAVERS
Penter Padova

COMPLETION
August 2013



How do you reconcile a low-lying landscape with the rolling character of a golf course? How do you treat existing relicts of high historical value? How can the natural water balance a low-lying area be left intact? The designers from the Antea Group in consultation - along with many partners and project groups - found an appropriate answer to these questions and succeeded in reconciling the seemingly conflicting interests in an intelligent, diplomatic and respectful way.

REMAINS OF THE OLD ABBEY OF THE DUNES From a historical point of view, four hectares of land were initially laid open for excavations, whereby structures of old water channels were found. The year 1698 was written on the façade of the old farmhouse, but earliest traces date back to the historical Abbey of the Dunes built in the early twelfth century.

Whilst golf architect Jeremy Pern dealt with the layout of the greens, architect Xavier Donck succeeded in designing a clubhouse in perfect harmony with the rural atmosphere and environment, preserving certain parts of the old farmhouse.

CLAY FOR A NATURAL PAVING Karel Dewitte has been working for the Antea Group for 15 years and has been in charge of this project from the start: "The grounds can be divided into different areas, each with their individual function and their specific demands on paving. The long driveway had to be suited for heavy vehicles, for example, fire trucks or agricultural vehicles. In the car park, quick, natural drainage was of pivotal importance."

The terraces and walkways around the clubhouse and green spaces border the largest part of the landscape. Two types of pavers were used:



PAVERS SHOW THE WAY

The construction of the “Golf Ter Hille” megaproject in Koksijde, a municipality located in the western part of Belgium, took 15 years before it was completed in 2013. The architectural practice had to undertake great efforts in Koksijde to do justice to the town’s history, culture and natural geographical features, and to meet legal provisions. The commitment was great, the road to completion was long, but the result is impressive.



The new UrbanA+ paver, which was specifically developed for pedestrian zones and squares, was used for the footpaths. The pressed clay paver, fired especially hard, is also available in black and violet.

Megaton and Alfaton were combined for the terraces, which extend into the interior of the conservatory. These pavers blend perfectly with the authentic style, rural setting and architecture of the clubhouse. Additionally, they emphasise the high-quality ambience the golf club radiates. Sustainability and authenticity take centre stage. The more robust UrbanA+ paver with a slightly more contemporary look was chosen for the walkways.

INFO

PROJECT

Redesign of the Golf Ter Hille in Koksijde, Belgium

CLIENT

AGB Koksijde

ARCHITECT

Antea Group in collaboration with X Donck Architects, Waregem

USED PAVERS

UrbanA+ red – mix of Megaton and Alfaton (clubhouse terrace)

COMPLETION

2014



PARK WITH RENEWED ENERGY

After its reconstruction, an old, formerly untended park provides a new space for town events and festivals as well as a green recreational facility for the residents of the old town. Covered with yellowish pavers, the main pathways provide a clearly visible orientation system and radiate a welcoming atmosphere in a small pine forest.



The redevelopment in Mažeikiai – a predominant location for the oil industry in Lithuania since 1980 – was intended to provide an improved public infrastructure and promote the city's urban development. Located on the edge of the town's historical centre, the park comprises of a pine forest spread over 9.4 hectares. Originally used as a



recreational and sports venue, the park was also a place of remembrance with a war cemetery for soldiers killed in the Second World War. Nonetheless, it had been gravely neglected over the last four decades. With vegetation gradually taking over, the park degenerated into a shabby space, bereft of any recreational infrastructure. With its proximity to the town's main administrative and cultural institutions, the park was to become a public venue for the town's main events, such as concerts, festivals or funfairs. Being the only public park situated close to the old town, it should be, above all, available to the local residents as a place of nearby recreation.

SOMETHING FOR EVERYONE In the course of the redevelopment, the old trees and bushes were cut down to create green open spaces and open up views through the park. The old, disused stadium in the park was replaced by a huge lawn, providing a perfect open space for major events. The architects introduced a ring-shaped system of new pathways, which connect each section of the park – the children's playground, sports field and tennis courts – and direct the flow of visitors towards the central area. Covered with yellowish pavers, the paths are clearly visible, which makes navigating the park very easy. According to architect Henrikas Štaudė, the pavers – which were suggested by Wienerberger – make a great contribution to the core concept of a welcoming public space: the soft shade matches the natural colour range of the pine forest and creates a cosy and warm atmosphere.



INFO

PROJECT

Redesign of a public park in Mažeikiai,
Lithuania

CLIENT

Municipality of the Mažeikiai District

ARCHITECT

H. Štaudė, S.M. Štaudė, V.Pilkauskas,
A. Juršytė, A. Valkūnaitė

USED PAVERS

Terca Märkische

COMPLETION

2014

TIMELESS BEAUTY

The timeless aspect of landscaping projects fascinates Filip Van Damme, especially in gardens that look uncomplicated and casual. In nature, nothing is produced without reason. Consequently, every element in a garden project is meaningful. With the intention of emphasising the timelessness of his own designs, Filip Van Damme uses exceptionally plain and sustainable materials like natural clay pavers.



INFO

PROJECT
Private house in Marke, Belgium

CLIENT
Private

ARCHITECT
Filip Van Damme, Bellegem

USED PAVERS
Trendline Caron paving plate

COMPLETION
2014

Filip Van Damme: “Everyday life is currently characterised by a hectic pace, both in the professional and personal spheres. A lot of people want to spend their spare time relaxing in the garden. In a garden that urgently needs maintenance, this is, of course, far more difficult. That’s why I prefer to design plain and low-maintenance gardens, where one can relax and take a break from everyday life. I can achieve this peace and quiet by using clear, plain lines in combination with an alternation of plants, paved areas and soft and hard materials”.

THE PERFECT PAVER Upon hearing the word “paver”, people often think of rustic, classic architecture and a dark or red-brown colouring. Thanks to continuous efforts in the product development area undertaken by manufacturers like Wienerberger, builders, architects and specifiers can now choose from a particularly comprehensive choice of pavers with various colours, surface finishes and formats. Even clients preferring an ultra-modern architectural style can find what they’re looking for.

For this modern private house in Marke, Filip Van Damme started searching for a paver that would perfectly match the architecture and style of the building. The black Wienerberger “Trendline Caron” paver presented the ideal solution.

Filip Van Damme: “With its square format, this product is more of a paving plate than a conventional paver. For me as an advocate of plain, modern gardens, this plate gives me the freedom to design creatively, while the client can take advantage of all the benefits of natural clay; sustainability, resistance to humidity and ease of care, to name just a few.”

A FASCINATING INTERPLAY OF LEVELS AND MATERIALS The pavers were laid using a stretcher bond for both the driveways at the front and the terraces and pathways at the back. The terrain showed several major level differences, which could be easily bridged with the “Trendline Caron”. An elevated terrace was laid out in the rear, which is connected to the house by a promenade. Along this walkway, only the upright edges and the curbs were executed with clay plates, whereas a gravel layer, the same colour as the plates, was chosen for the tread area itself. The ensemble radiates a sense of calm and balance, ensuring the ultimate aims of the owner and garden designer were realised.





SIT DOWN, GATHER AROUND

Initially designed as a small patio, this project evolved into a larger endeavour, taking four months and 19,000 pavers to make a homeowner's vision, a reality. Edged with thoughtfully landscaped plantings, General Shale's Phoenix pavers bring together a range of outdoor amenities to create a wonderful space for entertainment, recreation or relaxation.



Modern-day amenities are intertwined with the rustic beauty of the surrounding landscape with Phoenix pavers serving as a connecting link between the two settings.



The initial project that started it all features Phoenix pavers in a stretcher bond pattern.

Wayne and Leslie Tibbitts commissioned Kelly Landscaping Management with the construction of a "little outdoor patio" for their lake-house in Hiram, Georgia. The homeowners selected General Shale's Phoenix pavers solely for the product's aesthetic appeal.

"The clay pavers provide an old-town feel that is reminiscent of the cobblestone roadways from the 19th century", says James Kelly, owner of Kelly Landscaping Management. "The Tibbitts really liked the look of the pavers. As we laid them out, they were really enthusiastic about how they tied in with the house."

A GATHERING PLACE FOR THE FAMILY Installed in a herringbone bond, the pavers reflect the natural essence of the home's stone facade and the sprawling countryside that surrounds the property. Taking note of the beauty and elegance of the patio as it gradually took shape, the Tibbitts decided to ex-

pand the project and create a large outdoor entertainment and living area. The pavers harmoniously blend with the various outdoor spaces around the home – a Jacuzzi tub, fireplace and open-air kitchen, complete with countertop seating – to create a gathering space that boasts an abundance of rustic charm. The end result is an outdoor recreation and living area that is both polished and informal.

The Phoenix pavers, produced at General Shale's Brickhaven plant in Moncure, North Carolina, were also used to construct walkways leading from the entertainment space to other parts of the property. In addition, the pavers were used to emphasise the entryway from the road as well as parts of the driveway that wind through the property.

INFO

PROJECT
Private garden project, Hiram, USA

CLIENT
Leslie & Wayne Tibbitts

ARCHITECT
Kelly Landscapes Management

USED PAVERS
General Shale Phoenix

COMPLETION
June 2014



OLD GARDEN IN NEW BLOSSOM

“I love plain gardens without superfluous frippery. In our field, it’s this plainness that can really touch people – especially if sustainable materials are used. In the design phase, I continually put myself in the position of the clients: how do they live? What do they want? In a sense, a garden designer must be a chameleon to really get into the project.” Pieter Watelle

When redesigning a large mansion garden in Roeselare, landscape designer Pieter Watelle and well-known designer Henry Claeys – both renowned for their creativity and imaginative-ness – were able to give full scope to their fantasy. Henry Claeys is a creative jack-of-all-trades, who established his reputation worldwide as, amongst other things, the designer of a few particularly attractive Vincent Sheppard furniture collections.

Pieter Watelle: “Henry Claeys has a clear, creative vision with regard to the environment in general and to parks and gardens in particular. Here in Roeselare, we had the opportunity to combine our ideas from our own living environment with our know-how to create a surprising, but very structured ensemble. Henry Claeys already knew the garden down to the smallest corner because he spent his youth there.”

HARMONIOUS PICTURE The house in Roeselare was surrounded by a large park dating back to the 1970s. There were paved areas using clay products in the beginning so the current project could be built upon former conditions. All parties involved in the project again chose clay pavers for the landscape – namely Authentica Retro Varia by Wienerberger. Two laying patterns were applied: a stretcher bond and a herringbone bond. The stretcher bond was primarily used for the paths, whereas the latter was used for larger surfaces. At the front of the house, a large, circular area was laid out as a parking and manoeuvring space for vehicles, which disperses into narrow paths leading towards the house. The decision to use pavers had another special reason: because of their authentic look, it appears as though the pavers have always been there; they perfectly tailor the garden to the house and its surroundings. Behind the house, gravel paths were laid out and bordered with a narrower version of the Authentica Retro Varia paver.

“We decided to use a herringbone bond, firstly because it looks beautiful and secondly because it’s more robust. Everyone agreed that the ensemble creates a harmonious picture”, summarizes Pieter Watelle.



INFO

PROJECT
Private house in Roeselare, Belgium

CLIENT
Henry Claeys, Roeselare


ARCHITECT
Pieter Watelle, Damme

USED PAVERS
Authentica Retro Varia DF und WF

COMPLETION
2013



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Wienerberger
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