

ميتارا
METARA LIMITED

شركة **متن** العربية المحدودة (ميتارا)
METARA COMPANY LIMITED

شراكة وترخيص شركة متن جي.أم.بي.اتش- ألمانيا
Partner and Licensee of METTEN GMBH - Germany

Company Profile

2023

ABOUT US —

METARA Co. Ltd. was created in 2014 backed up with the latest German technology of METTEN-GmbH license, consultancy, partnership and technical support in the manufacturing of natural stone precast concrete paving units to serve the needs of construction companies and hardscape professionals and amateurs. Since then, our client base has grown to include big multinational corporations, strategic projects, and everything in between.

Top-Quality Brand

Performance, Guaranteed

Designed to be installed at most prestigious commercial spaces in Saudi Arabia, Architects, Landscape Architects and Engineers trust METARA to bring their architectural vision to life and to withstand the toughest rigor of a commercial environment.

BRINGING YOUR VISION TO REALITY

CERTIFICATES



HISTORY

A group of individual companies in different fields such as construction and contracting, real-estate development, Telecommunication services, machinery and equipment's trade, industry and more have been established by a Saudi businessman.

The aforementioned seed brought about a number of notable companies, and factories engaged in various individual industrial and commercial practices, yet all joined in working towards one target, which is offering products and services that fulfil all the needs of these fields under the umbrella of Al Modon Al Arabia holding Co.

Al Modon Al Arabia holding Co. has persisted in abiding by an added value to all its products, services and projects, one of these companies who involved and engaged in the industrial sector is called METARA. The main focus was on offering high-quality services and products that means to satisfy clients and, at the same time, participating and adding value to the development of the Kingdom of Saudi Arabia as a result, with the objective of meeting the growing demand in the Saudi market.

FOCUS

METARA was established with a paid capital of 12,000,000 Saudi Riyals. To represent and to produce a new understanding of paver slabs and became a partner and licensee with the word wide remarkable German company METTEN Stein+Design, with a reserved factory of more than 20,000 square meters in Sudair Industrial City, equipped with advanced full automation factory setup, provided with advanced technology and continuous technical support from METTEN Stein+Design.

Taking into consideration the ongoing giant industrial and development projects launched by the Custodian of the Two Holy Mosques package put the kingdom in the era of giant industrial-scale, not only in terms of the value of these projects, but also from the point of nature.

It actually creates a new economy, is required at all levels, and in the forefront (of course) the local level. Basic engines for these projects, (Arriyad Development Authority – ADA, Royal Commission, Saudi Aramco, SABIC, municipalities, ministries, as well as the private sector), are in fact the engines exist of those projects.



What We Do

METARA Co. Ltd. was created in 2014 backed up with the latest German technology of METTEN-GmbH license, consultancy , partnership and technical support in manufacturing of natural stone precast concrete paving units to serve the needs of construction companies and hardscape professionals and amateurs. Since then, our client base has grown to include big multinational corporations, strategic projects, and everything in between.

METARA is here to serve you. We understand how important quality and reliability is to your business. As your supplier, we make sure that everything we offer is of the highest quality available, affordable, and that you get what you need when you need. Our reputation depends on it, and in our industry, reputation is everything! If you would like to find out more about how METARA Co. Ltd. can serve your construction needs, get in touch today.

TOP-QUALITY BRAND

Performance, Guaranteed

Why Choose METARA Pavers? —

THE STRICT REQUIREMENTS OF THE MQ1 SYSTEM

Resistance to abrasion

Standard requirement of DIN EN 1338: < 18,000 mm³ / 5,000 mm²

METTEN MQ1: on average about 35% better than the standard

Bending tensile strength

Standard requirement of DIN EN 1339: > 5.0 MPa

METTEN MQ1: on average about 20% better than the standard

Splitting tensile strength

Standard requirement of DIN EN 1338: > 3.6 MPa

METTEN MQ1: on average about 25% better than the standard

Resistance to frost and de-icing salts

Standard requirement of DIN EN 1338: < 1,000 g/m²

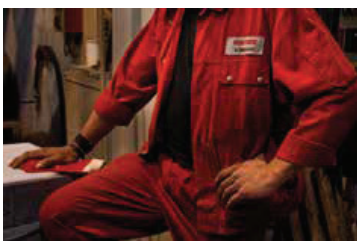
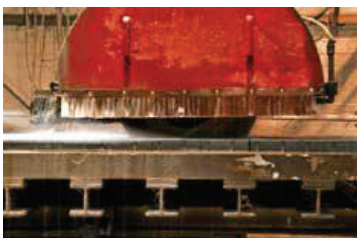
METTEN MQ1: on average about 400% better than the standard.

Everything is possible and enduring.

The possibilities are unlimited when designing with concrete block. Countless shapes, colours and textures make it one of the most versatile of materials.

Concrete is also durable, safe, sustainable and can be equipped with extraordinary properties. For the design of living environments, this versatility is a gift whose limits are only set by your own imagination. METTEN Stein+Design produces first-class, innovative concrete stones. Building materials for squares, boulevards, buildings, parks and gardens – for places which inspire and delight us. A fantastic job.

Special design ideas have always been a source of challenge and inspiration for us. METARA ConceptDesign allows customised production in compliance with your wishes. From precision trimming of prototypes to the fabrication of unique sculptures.



The METTEN Stein+Design laboratory applies extremely strict quality criteria when selecting the coloured natural sands and natural stone chippings that comprise METTEN concrete blocks from the nearly inexhaustible quantity of aggregates. The specific properties of those materials complement one another in complex formulas to achieve outstanding METTEN stone quality.

The company developed the different manufacturing processes, some of which hold international patents, over the course of several generations. With the MQ1 quality assurance system, we have established our own quality standards which go far beyond the European quality guidelines.

We produce concrete blocks with a wide range of functional benefits, long service life, and timeless design.

The reduced care requirements of CleanTop® significantly lower maintenance costs for surfaces in busy public spaces. The CleanTop system has proven itself, delivering excellent results, not only in Germany and other European countries, but also in the USA and Canada. METTEN started to develop this technology for protecting the surface of artificial stone blocks 15 years ago. While conventional post-production processes merely seal or impregnate the material, the CleanTop system forms part of the actual manufacturing process and is therefore integrated directly into the blocks themselves. CleanTop permanently enhances and protects colours and surfaces. CleanTop counteracts deterioration due to weathering and increases the resistance to ageing of the stone surfaces.

Unlike conventional impregnation systems, no periodic re-treatment is required – CleanTop provides durable protection over the long term.







OUR VISION

Our vision is to become a well-known entrepreneur in the national and international market by making production in accordance with international standards.

OUR MISSION

Our mission is adding of experience and knowledge gained by our Company throughout our partnership and licensee of internationally remarkable Metten, GmbH -Germany , to the economy of the kingdom ; providing service with a modern and professional understanding for production of the new products with a serious quality management and offering our clients in Saudi neighbor markets with in the frame of an accurate price policy.

We will never forget that it is our liability against the `Future Generations` to realize all these without ignoring environmental consciousness.

GOALS

Our goal, under the responsibility of this mission, is to create a real corporate identity that will carry out common operations with the leading manufacturers or sales companies in the world for activating and bringing in to the country economy of the new understanding of high quality paving systems which is included in our range of production and for promotion and marketing of them in the local and foreign countries.



QUALITY MANAGEMENT

QUALITY POLICY

With Total Quality Philosophy,

- Ensuring customer satisfaction
- Ensuring representation of company brand in the best manner
- Ensuring continuous development and happiness of the employees
- Increasing the efficiency of the products and processes
- Being sensitive to the nature and environment
- Developing the cooperation with the suppliers.

QUALITY MANAGEMENT SYSTEM:

The quality management system is carried out by means of systematic identification and management of processes and providing interaction of processes with each other; and then by management, inspection and reporting of them within the framework of the procedures and instructions contained in the Quality Manual.

CERTIFICATES

ISO 9001: 2015 -
Quality Management System

ISO 14001:2015 -
Environmental Management System

BS OHSAS 18001:2007
Occupational Health & Safety Management System

APPLICATIONS OF METARA PAVERS AND SLABS

STREET SCAPES

Creating urban centers with visual appeal and style, while reflecting the character of the town or city, demands the right products to capture the spirit of the space. Our extensive range of exclusive textures, colors and sizes allow you to explore the design diversity required with products that will stand up to the application. High-traffic roads require heavy-duty paving and with METARA, using the right unit paver can make a powerful impression.



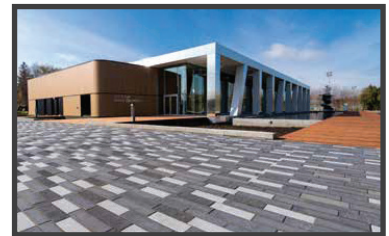
COMMERCIAL RETAIL

In commercial environments METARA pavers and slabs offer a wide range of design solutions. Whether you are working with our standard product palette or taking advantage of our extensive custom capabilities, you will have the right products to bring your vision to life. Adding atmosphere, scale, flow and harmony, you will have the selection you need to meet your design objectives.



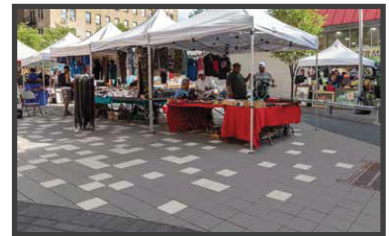
PARKS & RECREATION

Seamlessly complement the beauty of gardens, fountains and other natural or man-made design elements, with the confidence that the paving material you select will stand up to the rigor of its environment. METARA products offer advanced surface technologies that deliver a variety of benefits including stain resistance and easy cleaning properties. This makes them an ideal choice for high-traffic pedestrian areas.



URBAN PLAZAS

The extensive collection of METARA styles, colors and textures provide infinite design choices to reflect the surrounding environment and to bring a sense of community to any urban outdoor space.



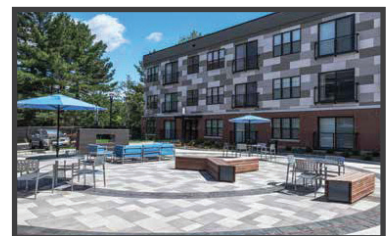
OFFICES

Successful commercial design incorporates elements which enhance a company's brand image and the building's architectural style. Linear patterns, color and texture are used to encourage flow and create stunning visual effects without compromising function. The wide range of METARA sizes and styles allow you to create just the right look and feel.



MULTIFAMILY HOUSING

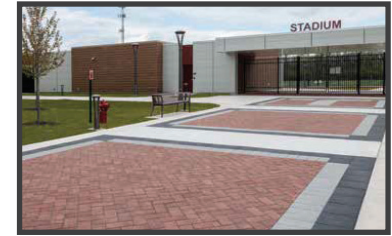
Vibrant and inviting outdoor spaces are essential in every multifamily development. Using a variety of textures, colors and sizes, you can create spaces that are flexible, serving a full range of activities to encourage socialization yet offer solitude. Taking advantage of the site's exposure to sun, air and views, you can create a journey through the courtyard's social and private, open and secluded, active and passive spaces.



ACADEMIC & HEALTHCARE

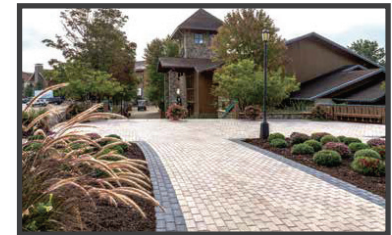
The high-traffic demands of academic and healthcare applications require products that perform.

METARA-LANXES Architectural Finishes give you the confidence that you are choosing beauty that will stand the test of time. These surfaces offer the most extensive selection of colors, textures and sizes, Enabling you to bring to life your unique vision for the space.



GOLF COURSES & RESORTS

Creating a relaxing retreat, ensuring harmony with the natural surroundings, conveying the excitement and energy of the city or evoking the resort's world-class brand image, are all statements of your design and METARA has the right product for each theme. Stunning architectural finishes and color options provide you with the opportunity to design what hasn't been designed before.



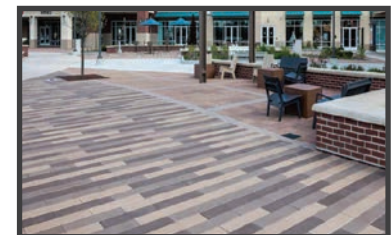
HEAVY-DUTY & PARKING LOTS

For maximum performance where load capacity, truck and trailer loading or everyday vehicular traffic are factors, METARA can provide you with the right products. Heavy-duty pavers are available in traditional and permeable versions, in standard finishes as well as custom color and finish options to ensure that your design vision is achieved.



PERMEABLE

Environmentally conscious product choices are more in demand than ever. METARA with its partner METTEN-GmbH have developed an extensive collection of innovative products for environmental concerns such as stormwater management. Now rainwater harvesting and water quality concerns can be alleviated by designing in style with beautiful colors and textures, while promoting sustainability.



CITY PARK PAVER

City Park Paver is a traditional urban paver shape available in many custom finishes and colors. This paver shape is a class-act no matter what the application, residential, park or plaza



WHY CLIENTS CHOOSE METARA PRODUCTS ?

PROPRIETARY

METARA TECHNOLOGIES

There are two Clean Factors (CF®) to choose from:

CLEAN FACTORS (CF) CF 90 CF 100

Pavers are pre-sealed at the factory

Enhanced resistance to weathering

Stains from leaves, coffee, ketchup, mustard, wine and BBQ oils are easier to remove

STAIN RESISTANCE

EasyClean™ Stain Resistance





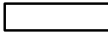










An integral surface protection that allows for easier cleanup of spills when they happen, before a stain can develop.

QUALITY ASSURED

- Tested from raw materials to finished product
- Tested hourly for product density
- Designed to meet all dimensional tolerances
- Above industry quality standards (ASTM)
- Durable and slip-resistant
- Made with colorfast pigments
- Resistant to salt erosion and chlorine
- Designed to tolerate oil or gas spills

METARA manufacturing teams have an unrelenting commitment to shipping only top quality products. Our world-class production facilities are renowned for their safety and cleanliness and are staffed with the most experienced production quality control staff in the industry. Our continual investment in the most technologically advanced equipment ensures we're able to provide the best in product quality, consistency and design.

PAVERS & SLABS SIZE and FINISH OPTIONS

No	Available Sizes (mm x mm)	Thick (T)	Weight (Kg)	Edge Type	Model Names			
					La Linia	Palladio	Umbriano	
1	100 x 100		80 mm		Straight	✓	✓	✓
2	200 x 100		60 mm		Chamfer & Straight	✓	✓	✓
3	200 x 100		80 mm					
4	200 x 200		80 mm		Straight	✓	✓	✓
5	300 x 300		60 mm		Straight (Tactile)	✓	✓	✓
6	300 x 300		80 mm		Straight			
7	400 x 100		80 mm		Straight	✓	✓	✓
8	400 x 200		60 mm		Chamfer & Straight	✓	✓	✓
9	400 x 200		120 mm					
10	400 x 400		60 mm		Chamfer & Straight	✓	✓	✓
11	400 x 400		80 mm					
12	400 x 400		120 mm					
13	500 x 500		80 mm		Straight	✓	✓	✓
14	550 x 100		80 mm		Straight	✓	✓	✓
15	560 x 280		140 mm		Straight	✓	✓	✓
16	600 x 300		80 mm		Chamfer & Straight	✓	✓	✓
17	600 x 400		60 mm		Straight	✓	✓	✓
18	600 x 400		80 mm					
19	600 x 600		80 mm		Straight	✓	✓	✓
20	800 x 400		80 mm		Straight	✓	✓	✓
21	1000 x 500		120 mm		Straight	✓	✓	✓

Not all shapes and sizes are available or in all finish or edge options.
 All measurements are nominal. T = height / thickness of the slab or paver.
 Consult your Metara Representative for more information.





METARA

PROJECT SUPPORT

Take advantage of industry leading expertise and unparalleled personal attention and collaboration, to ensure every intricate detail of your project runs smoothly. Our level of support is tailored to meet your needs, including:

- Product customization
- Budget pricing
- Providing specifications, cross sections and details
- Lunch and Learn continuing education credits
- Samples
- Outdoor Idea Centers

CUSTOM OPTIONS

Every project is unique. We have the expertise, technology and capabilities to create just what you need. Talk to your METARA representative about combining the many shapes, finishes and colors offered by METARA to create the ideal product for your project.

PHYSICAL SAMPLES

Choosing the perfect product to complete your vision has never been easier. Our physical sample boards are true-to-life- scale and color to help facilitate your initial product selection. And when the time comes to finalize your selections, your METARA Representative will bring you all the real-life samples you need.

CLEANTOP®-SYSTEM



CleanTop used on very high-traffic surfaces in public spaces leads to a noticeable reduction in maintenance costs due to the reduced cleaning requirement. The CleanTop system has excellent tried and tested results, not only in Germany and other European countries, but also in the USA and Canada. Metten Stein+Design started development of this technology for protecting the surfaces of concrete paving stones more than 10 years ago.

Unlike the conventional processes of subsequent sealing or impregnation, the CleanTop system is part of the production process and as a result integrated into the concrete stone. Colours and surfaces are permanently refined and protected by CleanTop. CleanTop counteracts the signs of wear and tear through the effects of weather and makes the stone surfaces resistant to ageing. Unlike common impregnation treatments, no later top-up treatment is required – CleanTop provides permanent protection.

EASIER, LESS FREQUENT CLEANING.

Concrete, as well as natural stone, has fine capillaries which can be penetrated by moisture and dirt. The CleanTop system is part of the production process and therefore permanently bonded in the stone. It protects the stone thoroughly. Depending on the Clean Factor, moisture and dirt cannot infiltrate the stone, or do so only partially. Marks can be quickly and easily removed with water and gentle external cleaning agents. And the surfaces have to be cleaned less often.

PROTECTION WITH LONG-LASTING EFFECT.

The CleanTop system is part of the production process; the protection penetrates the whole stone and becomes part of it. Unlike other impregnations and coatings, the advantage of CleanTop is that it is intensive to mechanical damage and climatic condition. Colours and surfaces have a durable protective finish; they weather considerably less than uncoated and conventionally coated concrete slabs.

CleanTop's higher resistance to dirt and the reduced time taken in cleaning have been scientifically proven – by a report from the Ruhr University of Bochum. The decision by McDonalds to use our CleanTop products in Germany and Austria, the USA, Sweden and Canada for areas that tend to need intensive cleaning emphasises our technology's advantages.

TRIED AND TESTED MORE THAN 10 YEARS.

The CleanTop system was developed by Metten Stein+Design more than 10 years ago and has proven itself in practice ever since! CleanTop is used not only in Germany and other European countries, but also in the USA and Canada!

WITH THE HIGHLY EFFECTIVE CLEAN TOP SYSTEM, CONCRETE PAVING STONES ARE:

- easy to clean
- dirt-repellent
- stain-resistant
- resistant to ageing

CLEAN FACTORS* AND THEIR PROPERTIES.

PROPERTIES	CLEANFAKTOR CF 90	CLEANFAKTOR CF 100	CLEANFAKTOR CF 120
Reduced dirt absorption	•	••	•••
Stains and rests of leaves, coffee, ketchup, mustard, barbecue fat and the like are easier to remove compared to paving, slabs or bricks without CleanTop	•	••	•••
Algae and moss inhibiting	•	••	•••
Colour finished surface		•	•
Enhanced resistance to weathering	•	•	•
Frost- and de-icing salt resistance	•	•	•
Free from lime efflorescence (if professional processed)		•	•
Subsequent impregnation not required	•	•	•

*The higher the Clean Factor (CF), the easier the cleaning.

CLEANTOP® TEST

In order to visibly demonstrate the low maintenance of a CleanTop surface, we have spread used oil, red wine, coffee, ketchup and mustard on a CleanTop-protected paving stone and on an unprotected paving stone and left it to take effect for several hours. Afterwards the stains were cleaned with soapy water and a brush. Result: slight residue of used oil, otherwise problem-free removal of all stains from the CleanTop-protected paving stone; residues on the unprotected paving stone.



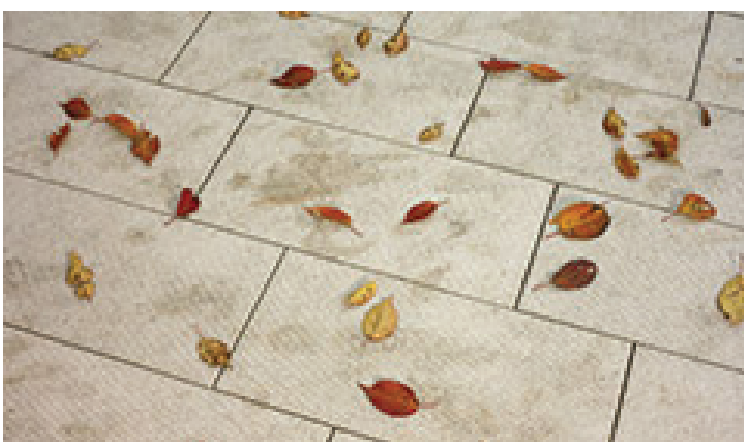
La Linia with CleanTop® prior to cleaning



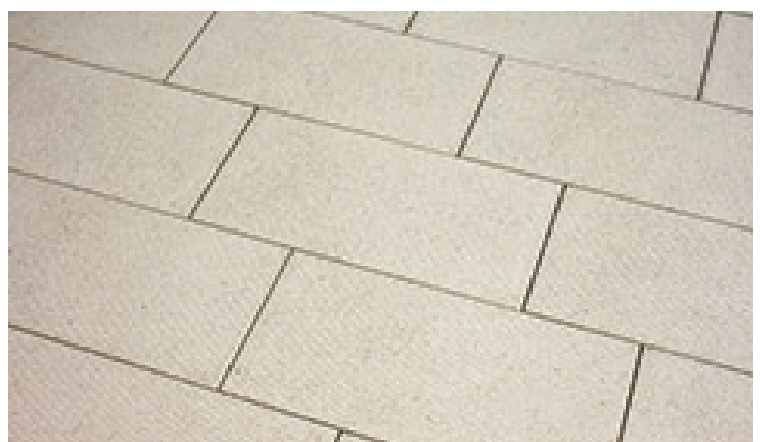
La Linia without CleanTop® after cleaning



La Linia with CleanTop® after cleaning



BEFORE



AFTER

CLEAN FACTORS* AND THEIR PROPERTIES.

The Kölner Straße street in Düsseldorf has been paved with Belpasso® slabs, with La Linia slabs immediately adjacent. After approximately one and a half years of practical experience, Rolf Sander, engineer, Head of the Department for New Road Construction at the Office for Traffic Management of the city of Düsseldorf, had this to say regarding the cleaning quality of Belpasso®: "All of the surfaces of Kölner Straße are cleaned once daily as standard with the same method of a road-sweeping machine and water. It has been found that the CleanTop® surface of the Belpasso® paving slabs gets cleaner, whereas on the remaining non-protected surfaces the dirt often remains adhered and is not removed by sweeping."



Now the La Linia paver is supplied with CleanTop® surface as standard.



Düsseldorf, Kölner Straße, Belpasso Grigio.

RIJSWIJK, NETHERLANDS

Rob Doesburg, planner and director for constructions of the city of Rijswijk, Netherlands, about Belpasso Premio: "The place before the library has a fresh radiance even after half a year. Dirt accumulations have less visible effect on the surface compared to traditional paver surfaces. This also applies to the dirtying through chewing gum, which is relatively easy to remove."

Netherlands: Rijswijk. Belpasso Premio paving Nuvola and Grigio.



SURVEY REPORT PROF. DR.-ING. MARTIN RADENBERG

Prof. Dr.-Ing. Martin Radenberg, Professor of Traffic Route Engineering at the Ruhr University, Bochum Survey report for the city of Ratingen:

"In terms of the inputs for the cleaning of paving stones and slabs, among the tested paving elements the Belpasso Premio® paver has a significantly higher dirt resistance. For this paver, a clearly lower input in time and money is to be anticipated for the cleaning."



EINDHOVEN, NETHERLANDS

Wil van Schijndel

Stadtplaner Stadt Eindhoven:

"Currently the normally UV-light sensitive colours Of green and blue are the basis Of this flooring design. Neither residues nor stains must affect the colour quality. Belpasso Premio has therefore been found to be the perfectly suitable paving method, with long-term colour intensity and easy to clean — even for chewing gum."

CITY RAILWAY RHEIN-RUHR, DUISBURG

Comments and user experience on "Belpasox Premio paving" and "CleanTop@" by Jörg Husarek, Dipl.-Ing. Architect AKNW:

"The platforms of OPNV stations are known to be subjected to high requirements by its users. Tenacious stains through chewing gum, drinks (e.g. cola, etc.) are a normal case, but there are very little funds for the cleaning and maintenance.

To preserve these surfaces in a well-kept and attractive condition, the requirement on the quality of the paving material is extremely high.

The platforms of the Duisburg city railway station "St.-Anna-Krankenhaus" were paved with "Belpasoe Premio pavers" in the "Grigio" colour, interspersed with pavers in "Pesto" colour for variety of surface and a colourful accent.

The material precisely fit my aesthetic and creative ideas on the surface structure, colour selection and format. The technical requirements such as tread safety, mechanical resilience, easy cleaning and low maintenance features were also fulfilled according to the manufacturer's specifications.

After nearly two years Of use — inauguration was in early February 2005 — the platforms are in flawless condition, wears of use almost unrecognisable.

As the paving surfaces are naturally weathered, the platforms are thoroughly cleaned only once a year. In the process the paving is pre-treated with cleansing foam and subsequently given a high-pressure wash with cold water.

Dirt does not penetrate — due to the "CleanTop@" surface — the paver and can be simply rinsed. Even the problematic, strongly adhesive chewing gum is easily removed by the pressure cleaning."



Covered platform, not cleaned for 2 years

Spray cleaner

Spray-washing surface

Clean surface

METARA

PRODUCTS RANGE

LA LINIA

PALLADIO

UMBRIANO

LA LINIA®



a Linia is a concrete paver with natural character due to the high proportion of natural stone chippings used. Whether basalt, granite or porphyry, La Linia radiates the special charm of these natural stones.

In our special fine blasting process, the natural stone aggregates are exposed on the surface; these are permanently bonded to the stone matrix. The result is a natural concrete paver that is hard-wearing and retains its natural look for years.

La Linia has been used for paving numerous public areas and roads. Some of these areas are 15 years old and more – tangible proof of the hard-wearing properties and durability of this paving system.

COLOURS



Sand beige



Special Colour 2224



Quarz sand beige



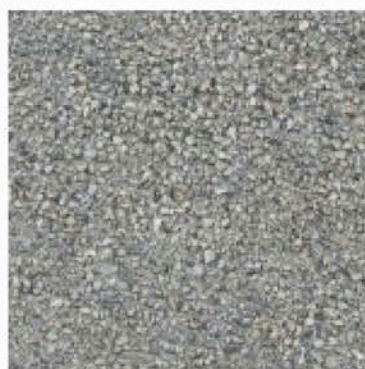
Grey-reddish granite



Light granite



Light grey



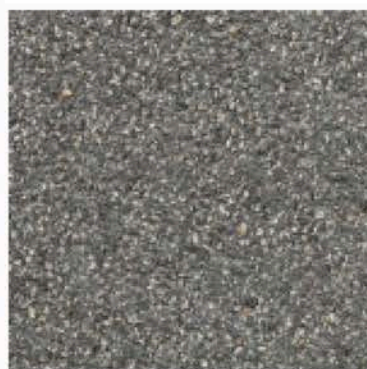
Medium grey



Grey granite



Diamond grey



Dark grey



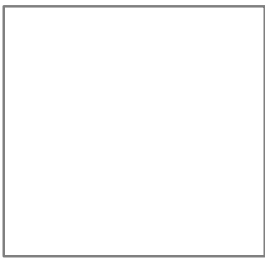


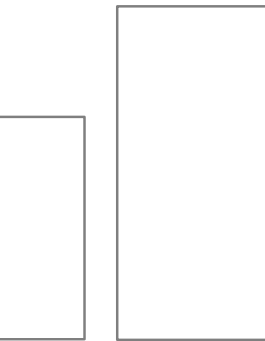

















Anthracite basalt

PROPERTIES

- Clean Top surface with clean factor CF 90, i.e.:
- Dirt repellent
- Easy to clean compared to paving systems without CleanTop@
- Algae and moss inhibiting
- No subsequent impregnation necessary
- Natural appearance in combination with surface protection
- Non-slip
- High colour fastness due to the use of selected, colour-coordinated natural stone chippings with high-quality iron oxide colours

SIZES

Shape	Length (mm)	Width (mm)	Thick (mm)	Edges
	100	100	80	Straight
	200	100	60	Chamfer & Straight
	200	100	80	Chamfer & Straight
	200	200	80	Straight
	300	300	60	Straight (Tactile)
	300	300	80	Straight
	400	100	80	Straight
	400	200	60	Chamfer & Straight
	400	200	120	Chamfer & Straight
	400	400	60	Chamfer & Straight
	400	400	80	Chamfer & Straight
	400	400	120	Chamfer & Straight
	500	500	80	Straight
	550	100	80	Straight
	560	280	140	Straight
	600	300	80	Chamfer & Straight
	600	400	60	Straight
	600	400	80	Straight
	600	600	80	Straight
	800	400	80	Straight
	1000	500	120	Straight

LAYING PATTERN



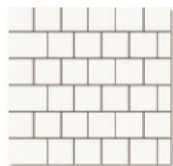
PATTERN 01



PATTERN 02



PATTERN 03



PATTERN 04



PATTERN 05



PATTERN 06



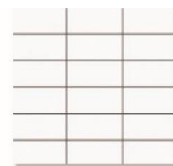
PATTERN 07



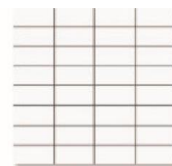
PATTERN 08



PATTERN 09



PATTERN 10



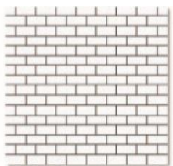
PATTERN 11



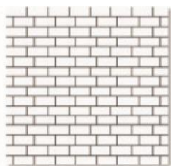
PATTERN 12



PATTERN 13



PATTERN 14



PATTERN 15

PALLADIO®



A puristic, untreated concrete stone for public spaces. A fascinating new surface with velvety structure and smooth shimmer. Monochrome shades, precise contours, no-frills design.

Palladio® puts your ideas into a nutshell.

Very fine natural stone chippings add a slightly glimmer through the homogeneous, highly compressed architectural concrete surface. A wide variety of formats and thicknesses as well as six finely graduated co-ordinated shades of Grey and three elegant shades of Beige allow maximum possibilities in design and combination. The colors can be combined and allow the creation of a play of colors which blends into the surroundings. The unchamfered edges significantly reduce the proportion of the joints and are a big plus for the accessibility. With this product you can design demanding outer surfaces attractively.

COLOURS



Colour 11.01



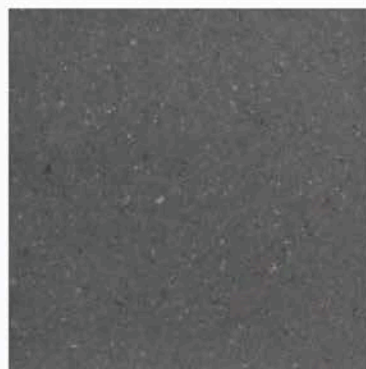
Colour 11.03



Colour 11.05



Colour 13.01



Colour 13.03



Colour 13.05



Colour 15.01



Colour 15.03



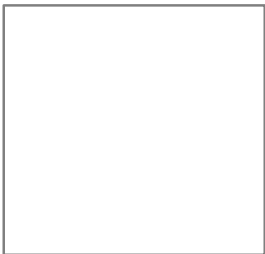




















Colour 15.05

PROPERTIES

- First-class, homogenous, high density surface due to a special manufacturing process.
- Coloring of the surface predominantly from raw materials of the regional nature-stone range.
- six fine-graded shades from Light grey to Anthracite as well as three new, elegant shades of Beige.
- The colors can be combined well and allow the creation of a play of colors which blends into the surroundings.
- Unchamfered edges. Formed spacers for prevention of cracking at the edges.
- Variety of sizes, thickness of the stone possible from 8 to 18 cm.
- Very well accessible, low proportion of joints.
- Special method of stone hardening by a clima-guided surface processing.
- Non-slipping.
- Resistant to frost and de-icing salt.

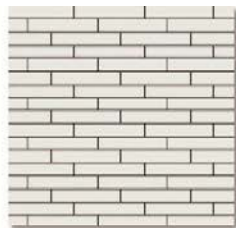
SIZES

Shape	Length (mm)	Width (mm)	Thick (mm)	Edges
	100	100	80	Straight
	200	100	60	Chamfer & Straight
	200	100	80	Chamfer & Straight
	200	200	80	Straight
	300	300	60	Straight (Tactile)
	300	300	80	Straight
	400	100	80	Straight
	400	200	60	Chamfer & Straight
	400	200	120	Chamfer & Straight
	400	400	60	Chamfer & Straight
	400	400	80	Chamfer & Straight
	400	400	120	Chamfer & Straight
	500	500	80	Straight
	550	100	80	Straight
	560	280	140	Straight
	600	300	80	Chamfer & Straight
	600	400	60	Straight
	600	400	80	Straight
	600	600	80	Straight
	800	400	80	Straight
	1000	500	120	Straight

LAYING PATTERN



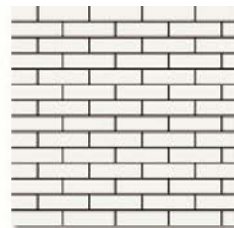
PATTERN 01



PATTERN 02



PATTERN 03



PATTERN 04



PATTERN 05

UMBRIANO®



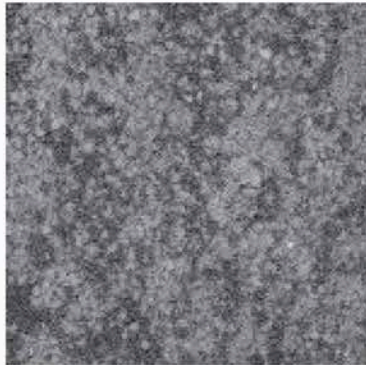
The Umbriano paving system with its varying surface textures is based on the dissimilarities in nature that are found to be harmonious and attractive.

The characteristic colours, whether beige-brown, grey-anthracite, light grey-white granite or red granite make Umbriano the perfect paving system that blends in with numerous facades and surroundings.

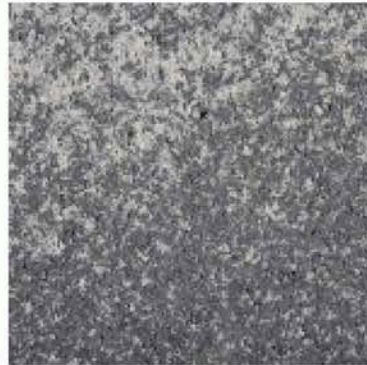
In addition to the various colours and characteristic textures, the "sharp" unchamfered edge is a particular feature of Umbriano.

All these factors together result in the special, elegant appearance of sawn natural stone. The surface is easy to clean due to its particularly dense structure. The manufacturing process was developed in-house for which a patent is pending. The special surface design is patented.

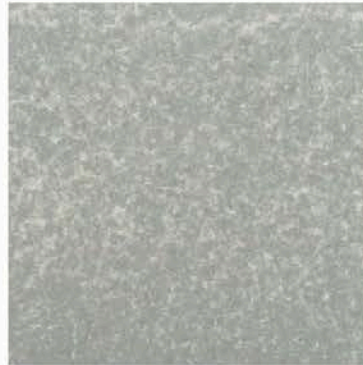
COLOURS



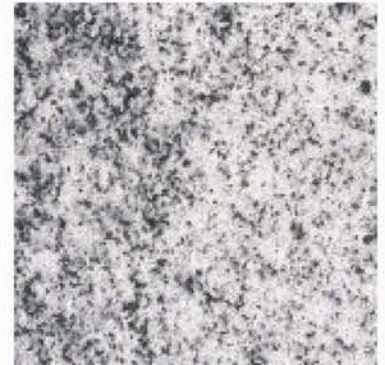
Grey-anthracite textured



Anthracite-white textured



Quartzite grey textured



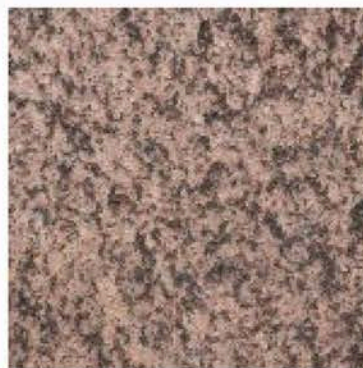
Grey granite-white textured



Grey granite-red textured



Granite beige textured



Beige-brown textured



Rubiginous brown textured



Jura yellow textured



NEW: Kaschmirbeige




















NEW: Vulkangrau

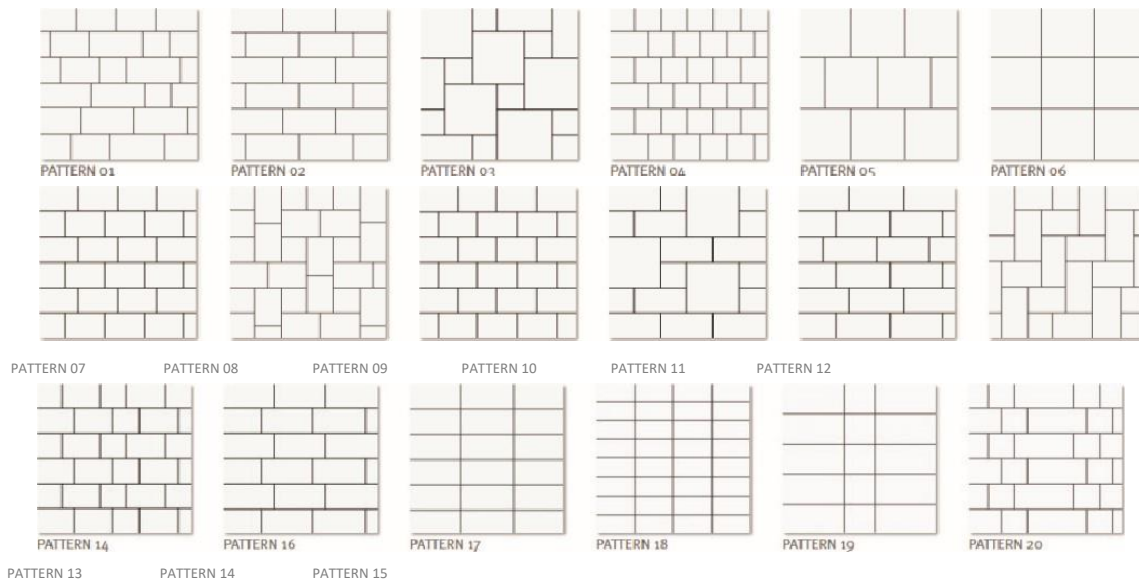
PROPERTIES

- Clean Top surface with clean factor CF 90, i.e.:
- Dirt repellent
- Easy to clean compared to paving systems without Clean Top
- Algae and moss inhibiting
- No subsequent impregnation necessary
- Natural appearance in combination with surface protection
- Surface with the appearance of sawn natural stone
- Non-slip
- Registered design. Production process patent pending
- Ideal for combining with the Umbriano range
- The unchamfered edges are a particular feature of Umbriano. Slight edge chipping may occur during installation, as is also possible with sawn natural stone. This disappears after sanding in the joints.

SIZES

Shape	Length (mm)	Width (mm)	Thick (mm)	Edges
	100	100	80	Straight
	200	100	60 / 80	Chamfer & Straight
	200	200	80	Straight
	300	300	60	Straight (Tactile)
	300	300	80	Straight
	400	100	80	Straight
	400	200	60 / 120	Chamfer & Straight
	400	400	60 / 80	Chamfer & Straight
	400	400	120	Chamfer & Straight
	500	500	80	Straight
	550	100	80	Straight
	560	280	140	Straight
	600	300	80	Chamfer & Straight
	600	400	60 / 80	Straight
	600	600	80	Straight
	800	400	80	Straight
	1000	500	120	Straight

LAYING PATTERN



The quantity of vertical bond depends on the structural situation.

Laying patterns and hatching are available on request.

PROJECTS

ACADEMIC & HEALTHCARE

LA LINA, RIYADH, SAUDI ARABIA, KING SALMAN OASIS, MONASEB CONTRACTOR



CITY PARK PAVER

PALLADIO, RIYADH, SAUDI ARABIA, RIYADH METRO PROJECT NESMA CONTRACTOR



PARKS & RECREATION

UMBRIANO, RIYADH, SAUDI ARABIA, PRODUCED BY METTEN STEIN + DESIGN



SEGMENTAL RETAINING WALLS

RIYADH, METRO STATION - DUG EXTERNAL PAVERS





GALLERY





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