

GRANDEZZA

Large format urban planning

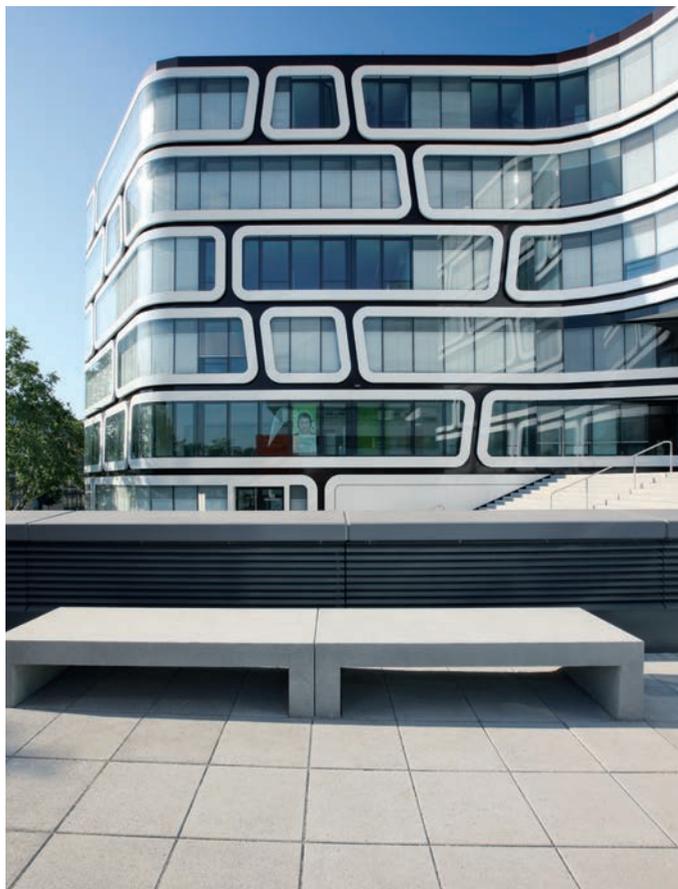


 **kronimus**[®]
creative. professional. kronimus.

Large format urban planning

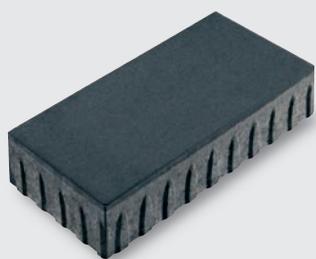
A trend in recent years has now become an inescapable element in the field of the creation of urban areas: large format slabs. Every time the creation of modern surfaces through which the architectural structure reveals its full strength of expression is required this type of module is essential. Designers have the choice between countless shapes, colours and materials. At Kronimus, these slabs have a name: GRANDEZZA. What is special about them? Apart from the pure lines and their size, the Kronimus brand's large formats stand out in terms of durability.

The balance between the concrete's sizes, thickness and quality provides a decisive advantage in terms of security, particularly when traffic is dense. For the designers, the creation of areas with large sized slabs and the design of superstructures has always been a challenge. Guaranteed frost/thaw and de-icing salt resistant, as well as optimized for bending tensile strength ($\geq 6 \text{ N/mm}^2$) and pressure resistance (60 N/mm^2), GRANDEZZA offers the client durable use. Thanks to the large choice of sizes and a line of 400 different surfaces, GRANDEZZA will meet the most exacting requirements.



70191 Stuttgart, GENO Haus
GRANDEZZA 50 x 50 x 14 cm, grey 14
GRANDEZZA 50 x 50 x 12 cm, Type Rastatt 688

GRANDEZZA



CITY TRUCK interlocking



no CITY TRUCK interlocking

PERLSTAR® surface protection . . . page 4

GRANDEZZA page 5

Kronimus: the promise of durable quality



Is it logical to replace the very strict quality standards applicable in Germany by less exacting European standards? In our opinion, no, it is not! Contrary to the majority of its competitors, Kronimus continues to apply maximum quality requirements, even when the strict German standards are not in use. Thus, our brand products continue to stand up to frost and salt for many many years. This safety has a decisive advantage, particularly in the field of civil and road engineering.

Our guarantee*:

- A product durability of 10 years (wear due to weathering), as well as resistance to frost and de-icing salt 7 times greater than the requirements of the European standard.
- Optimized cleaning with our PERLSTAR® products for 5 years.

Our commitment:

- Resistance to abrasion 20 % greater than the European standard's requirements.
- Resistance to bending 20 % greater than the European standard's requirements.
- Continuous inspections in-house and externally, carried out by independent institutes.



72250 Freudenstadt, Unterer Marktplatz
GRANDEZZA 60 x 40 x 8 cm, 40 x 40 x 8 cm and 40 x 20 x 8 cm,
Kroniment 1 shot blast

Comparison: the loss of mass in the freeze/thaw test.



The margin is great: the DIN EN 1338 Class 3 standard (= BS EN 1388) allows an average mass loss of 1,0 kg/m².

Kronimus guarantees an average mass loss nearly 7 times lower - i.e. a maximum loss of 0,15 kg/m².

An innovation by the Kronimus brand: PERLSTAR® surface protection

Today, the soiling of squares and public areas is creating an increasing number of problems for towns. With a cost per cleaning operation of over 3 euros per sq. metre, it is no longer just the reputation of the designer or the contractor that is on the line. We need to find innovative and cost-saving solutions.

The cleaning of surfaces treated with PERLSTAR® protection by Kronimus is all the more effective, since it can be carried out quickly. Moreover, slabs treated keep their natural appearance and blend, without nuancing, with untreated surfaces of the same colour. As a result, the use of treated slabs can only be used in places that receive a lot of traffic. Stairs and raised platforms treated with PERLSTAR® are available on order.

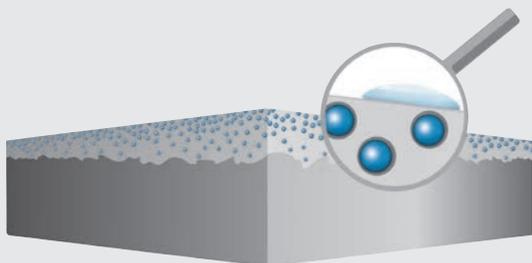


Outlet City 72555 Metzingen, GRANDEZZA 40 x 40 cm, Krobas 2 shot blast



You will recognize our products treated with PERLSTAR® by this symbol.

PERLSTAR® detail



PERLSTAR® - effective and invisible surface protection

Kronimus PERLSTAR®

- Makes cleaning the surface easier
- Protects against grease marks, and stains from red wine, ketchup and sodas
- Prevents damage to the slabs by mosses, dead leaves, etc.
- Slabs treated with PERLSTAR® are easier to clean and guaranteed for 5 years
- No difference in shade or surface in relation to untreated slabs
- Its use can be limited to areas exposed to soiling

GRANDEZZA



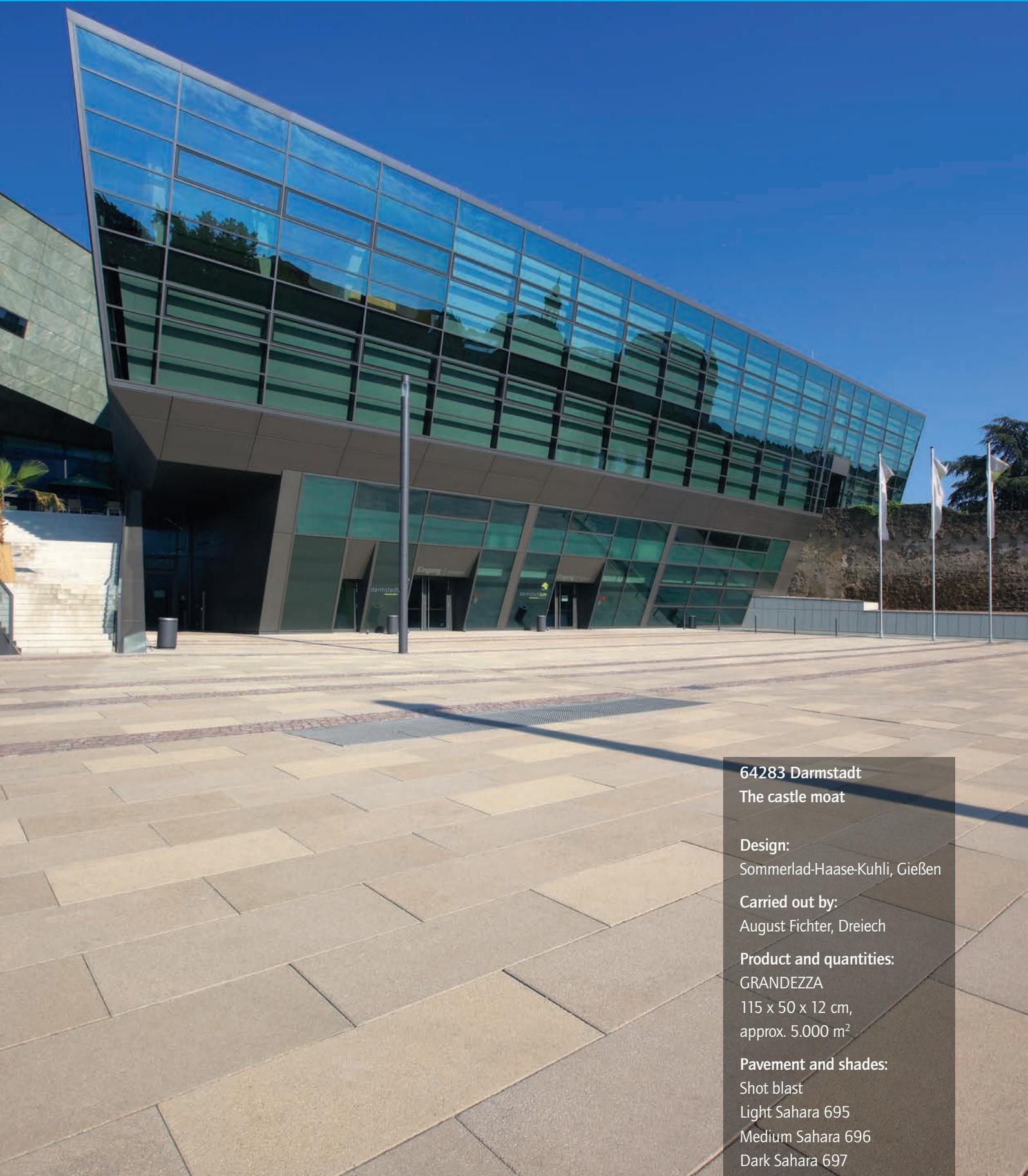
65197 Wiesbaden
The artists' district

Design:
Ing. Büro Ladewig, Taunusstein

Product and format:
GRANDEZZA
120 x 40 x 14 cm
(with CITY TRUCK interlocking)

Pavement and shades:
Shot blast
Diamond grey 736
Gingen 437

GRANDEZZA



64283 Darmstadt
The castle moat

Design:
Sommerlad-Haase-Kuhli, Gießen

Carried out by:
August Fichter, Dreiech

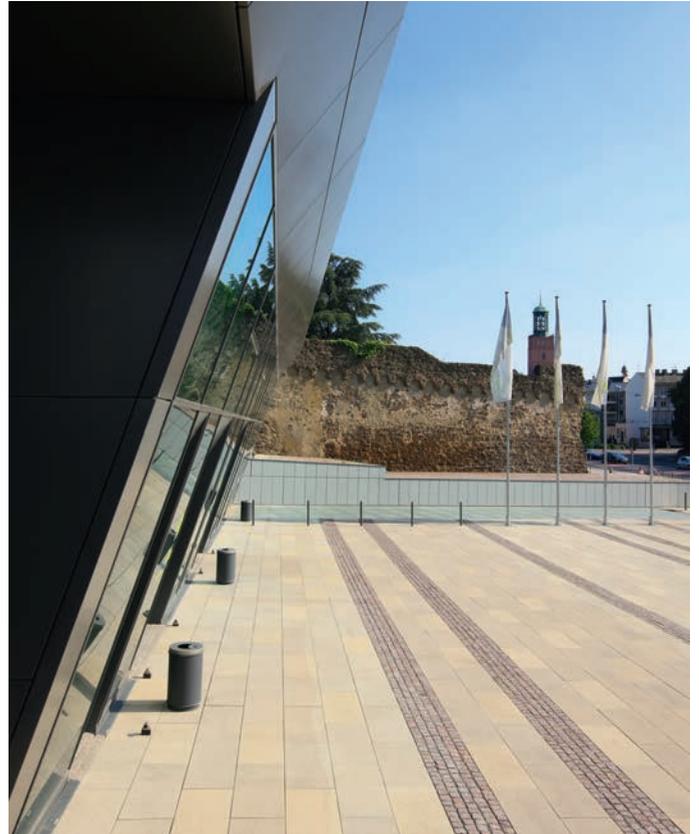
Product and quantities:
GRANDEZZA
115 x 50 x 12 cm,
approx. 5.000 m²

Pavement and shades:
Shot blast
Light Sahara 695
Medium Sahara 696
Dark Sahara 697

GRANDEZZA

To optimise the aesthetic expression of areas of circulation, these are more frequently made with large dimension modules. GRANDEZZA, Kronimus' large format slab, not only stands out by its impressive dimensions, but with its 400 pavements and surface colours, it offers almost unlimited creative possibilities, and thanks to the versa-

tile applications of GRANDEZZA slabs and to the line's complementary products - boundary stones, steps, edging and elements for planting flowers or trees - urbanistic creation can be achieved without compromise.



GRANDEZZA large format slabs 115 x 50 x 12 cm, Light Sahara 695, Medium Sahara 696, Dark Sahara 697 shot blast



GRANDEZZA large format slabs 115 x 50 x 12 cm, Light Sahara 695, Medium Sahara 696, and Dark Sahara 697 shot blast

GRANDEZZA



GRANDEZZA, 60 x 60 x 12 cm Type Frankfurt 418 sanded and shot blast



GRANDEZZA, 60 x 60 x 12 cm benches in Type Frankfurt 418 sanded and shot blast

Moreover, when manufacturing GRANDEZZA slabs the tensile splitting strength can be optimized to adapt the slabs to heavier loads. This manufacturing flexibility makes the GRANDEZZA line the ideal choice for creating circulation areas subjected to dense traffic, very heavy loads or the manoeuvring of trucks.

Thanks to GRANDEZZA, the attractive appearance of the large format slabs is perfectly compatible with resistance to heavy loads and manoeuvring.

GRANDEZZA



06846 Dessau
Bauhaus

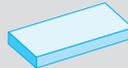
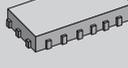
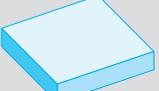
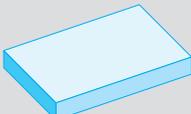
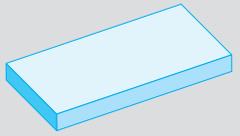
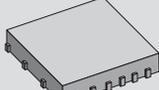
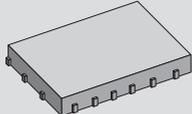
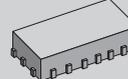
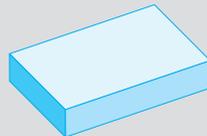
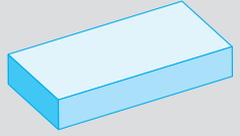
Design:
Dipl.-Ing. Tobias Mann
Freier Landschaftsarchitekt Kassel

Product and quantities:
GRANDEZZA
60 x 60 x 12 cm, approx. 9000 m²
(with CITY TRUCK interlocking)

Pavement and shades:
Sanded and shot blast
Type Frankfurt 418

GRANDEZZA

Thickness and modular dimensions

	Module 60					
Modular dimensions in cm	30 x 30	60 x 30	60 x 60	84 x 60	90 x 60	120 x 60
DIN EN (= BS EN)	1338	1339	1339	1339	1339	correspond to 1339
Thickness 8 cm						
180 kg/m ²						
Thickness 10 cm						
225 kg/m ²						
Thickness 12 cm						
270 kg/m ²						
Thickness 14 cm						
315 kg/m ²			<i>Mini Fase</i>			
Thickness 18 cm						
405 kg/m ²						

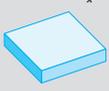
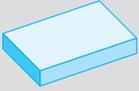
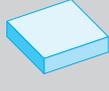
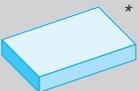
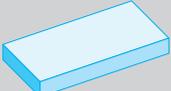
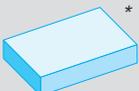
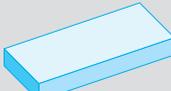
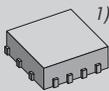
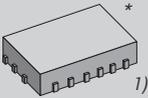
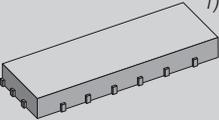
 GRANDEZZA with CITY TRUCK interlocking

GRANDEZZA

Modul 36						
Modular dimensions in cm	36 x 24	36 x 36	48 x 36	72 x 36	108 x 36	
DIN EN (= BS EN)	1338	1338	1338	1339	1339	
Thickness 10 cm						
225 kg/m ²						
Thickness 12 cm						
270 kg/m ²						
Thickness 14 cm						
315 kg/m ²						
						
Modul 50						
Modular dimensions in cm	50 x 30	50 x 50	57,5 x 50	75 x 50	100 x 50	115 x 50
DIN EN (= BS EN)	1338/1339*	1338/1339*	1339	1339	1339	correspond to 1339
Thickness 10 cm						
225 kg/m ²						
Thickness 12 cm						
270 kg/m ²						
Thickness 14 cm						
315 kg/m ²						

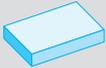
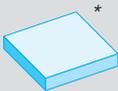
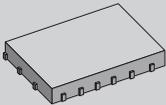
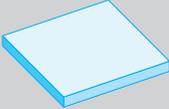
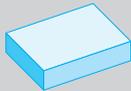
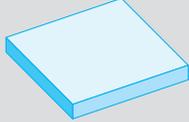
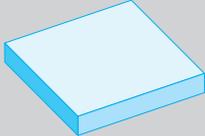
other formats on following pages 

Thickness and modular dimensions

	Module 40						
Modular dimensions in cm	20 x 40	40 x 40	60 x 40	80 x 40	90 x 40	100 x 40	120 x 40
DIN EN (= BS EN)	1338	1338/1339*	1338/1339*	1339	1339	1339	correspond to 1339
Thickness 8 cm							
180 kg/m ²							
Thickness 10 cm							
225 kg/m ²							
Thickness 12 cm							
270 kg/m ²							
Thickness 14 cm							
315 kg/m ²							
Thickness 18 cm							
405 kg/m ²							

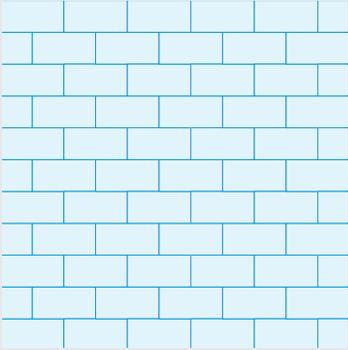
 GRANDEZZA with CITY TRUCK interlocking

1) Not compatible with other CITY TRUCK products

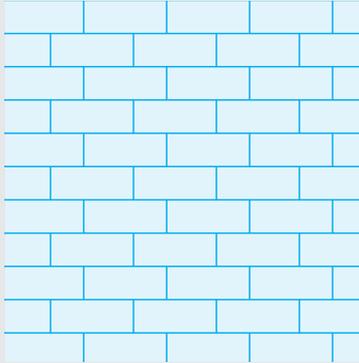
Module 45			Different formats				
45 x 30	45 x 45	60 x 45	Modular dimensions in cm	48 x 24	48 x 32	60 x 20	84 x 60
1339	1338/1339*	1339	DIN EN (= BS EN)	1338	1338	1339	1339
			Thickness 10 cm				
			225 kg/m ²				
			Thickness 12 cm				
			270 kg/m ²				
			Thickness 14 cm				
			315 kg/m ²				
			Modular dimensions in cm	80 x 80	90 x 90	100 x 100	
			DIN EN (= BS EN)	1339	1339	1339	
			Thickness 8 cm				
			180 kg/m ²				
			Thickness 12 cm				
			270 kg/m ²				
			Thickness 16 cm				
			368 kg/m ²				

GRANDEZZA

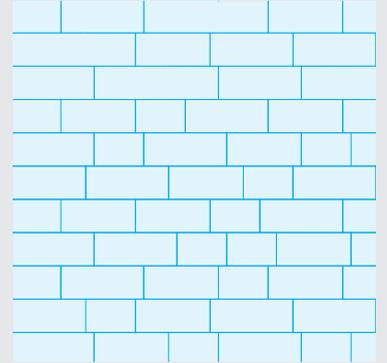
Laying types



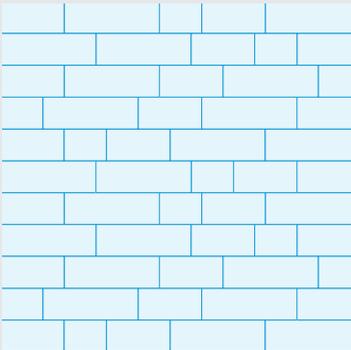
GRANDEZZA 72 x 36, 36 x 36



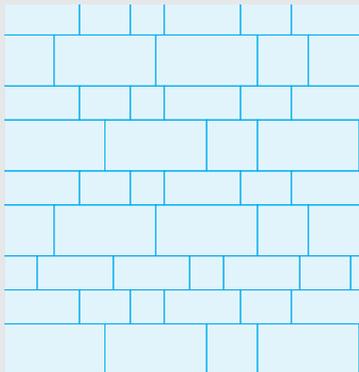
GRANDEZZA 100 x 40



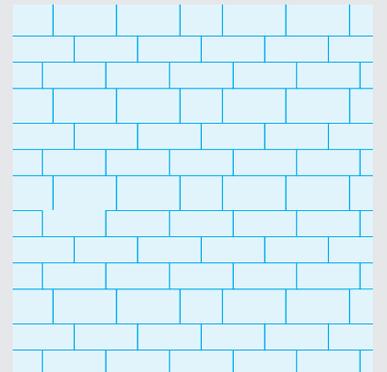
GRANDEZZA 100 x 40; 90 x 40; 60 x 40



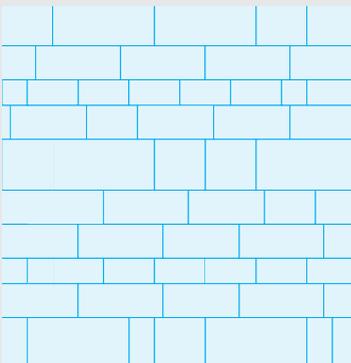
GRANDEZZA 108 x 36; 72 x 36; 36 x 36



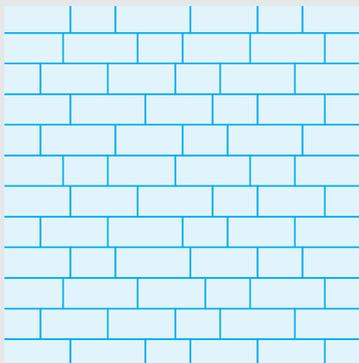
GRANDEZZA 120 x 60; 60 x 60; 90 x 40;
60 x 40; 40 x 40



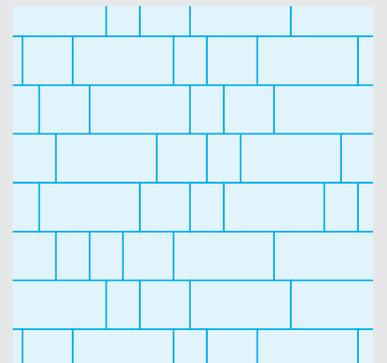
GRANDEZZA 60 x 40; 60 x 30; 40 x 40; 30 x 30



GRANDEZZA 120 x 60; 60 x 60; 60 x 30;
30 x 30; 100 x 40; 90 x 40; 60 x 40



GRANDEZZA 100 x 40; 90 x 40; 60 x 40



GRANDEZZA 120 x 40; 60 x 60; 40 x 60

GRANDEZZA

Examples of GRANDEZZA surface

Grey shades



*Offenburg
sanded and
shiny with
satin finish*
32



*Kronit granite
washed grey*
53



*Solid
silvery grey
shot blast*
131



*HARMONY
graphite
fine washed*
304



*Frankfurt
sanded and
shiny with
satin finish*
418

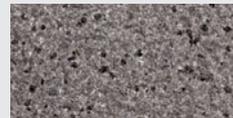


*Light grey
shot blast*
658



*Fildermesse
medium grey
sanded and
shot blast*
668

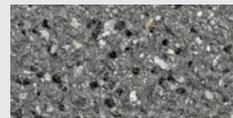
Anthracite shades



*Krobas
shot blast*
2



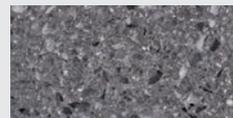
*Peissenberg
shot blast*
182



*Black granite
shot blast*
257



*Anthracite
coloured*
586



*Anthracite
sanded*
683

Yellow shades



*White
alpine marble
shot blast*
239



*Yellow Kronit
shot blast*
290



*Yellow granite
shot blast*
315



*Sahara
yellow
shot blast*
697



*Dolomite
dark yellow
shot blast*
727

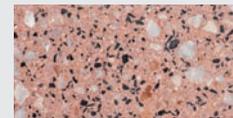
Red shades



*Waldbronn
shot blast*
136



*Waldbronn
washed*
136



*Tuscan red
sanded*
585



*HARMONY
Bordeaux
fine washed*
605



*Tuscan
sanded*
694

White shades



*White
quartzite
washed*
82



*White granite
fine shot blast*
96



*White quartz
shot blast*
293



*Rottweil
sanded and
shiny with
satin finish*
771

Brown shades



*Beige
alpine marble
washed*
18



*Brown
Krophy
shot blast*
95



*Dark brown
coloured*
213

Special colours



*Terracotta
shot blast*
313



*Green Kronit
shot blast*
320



*Blue basalt
fine shot blast*
518

Other colours
on request



PÜZ BAU

PÜZ BAU GmbH
Prüfen - Überwachen - Zertifizieren



 **kronimus**[®]

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