



**BIG SIZE** 60x60

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Fine porcelain tiles

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# AVENUE

30x60 cm

Stone



Porcelain 30x60 / 60x60



9473 Avenue white  
30x60 cm matt



9546 Avenue decor beige  
30x60 cm matt



9474 Avenue beige  
30x60 cm matt



9563 Avenue light grey  
30x60 cm matt



9547 Avenue decor grey  
30x60 cm matt



9475 Avenue grey  
30x60 cm matt







**AVENUE**  
60x60 cm

**9236 Avenue natural**  
60x60 cm matt



**9234 Avenue white**  
60x60 cm matt



**9237 Avenue taupe**  
60x60 cm matt



**9233 Avenue beige**  
60x60 cm matt



**9246 Avenue light grey**  
60x60 cm matt



**9238 Avenue grey**  
60x60 cm matt



**9235 Avenue brown**  
60x60 cm matt





# CREO

30x60 / 60x60 cm



**9516 Creo cream**  
30x60 cm matt



**9514 Creo cream**  
60x60 cm matt



**9517 Creo grey**  
30x60 cm matt



**9515 Creo grey**  
60x60 cm matt



*Stone*



Porcelain 30x60 / 60x60



# PARGA

30x60 / 60x60 cm



**9365 Parga natural**  
30x60 cm matt



**9367 Parga brown**  
30x60 cm matt



**9456 Parga natural**  
60x60 cm matt



**9458 Parga brown**  
60x60 cm matt



**9364 Parga white**  
30x60 cm matt



**9366 Parga grey**  
30x60 cm matt



**9455 Parga white**  
60x60 cm matt



**9457 Parga grey**  
60x60 cm matt



*Cement*



Porcelain 30x60 / 60x60



# STUCCO

60x60 cm



9098 Stucco light grey  
60x60 cm matt



9097 Stucco grey  
60x60 cm matt



*Cement*



Percelán / 60x60



# TIROL

60x60 cm



9070 Tirol  
60x60 cm matt



*Cement*



Porcelain / 60x60



# GROUND

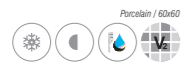
60x60 cm



9045 Ground beige  
60x60 cm matt



*Stone*



Porcelan / 60x60



# OLIMP

60x60 cm



9044 Olimp beige  
60x60 cm matt



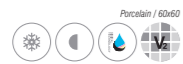
9048 Olimp mocca  
60x60 cm matt



9043 Olimp grey  
60x60 cm matt



Stone



Porcellan / 60x60

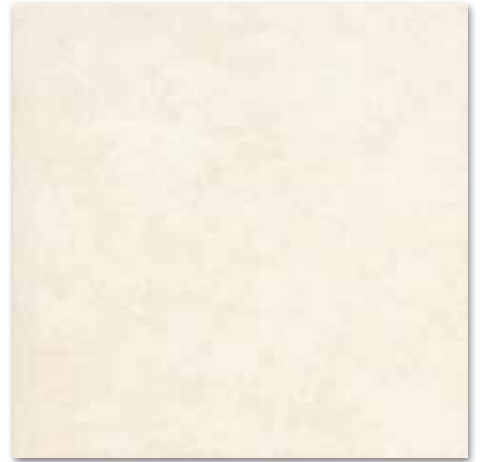


# SPACE

60x60 cm



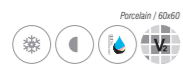
9413 Space beige  
60x60 cm matt



9492 Space grey  
60x60 cm matt



Stone



Porcelan / 60x60



# STORM

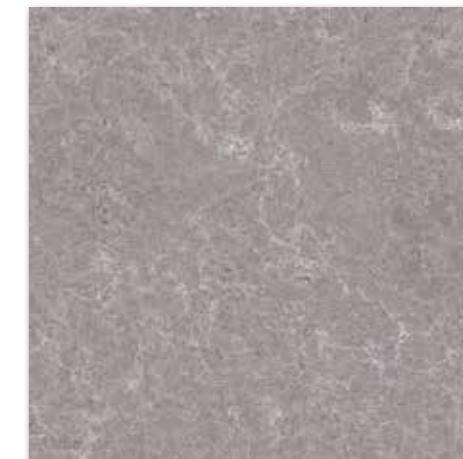
60x60 cm



9508 Storm beige  
60x60 cm matt



9499 Storm grey  
60x60 cm matt



Stone



Porcelain / 60x60



# GRANIT

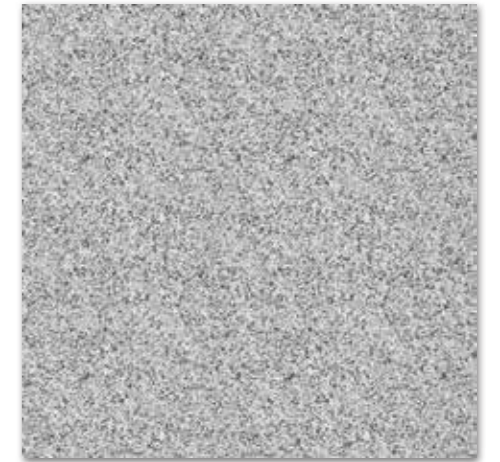
60x60 cm



9459 Granit brown  
60x60 cm matt



9460 Granit grigio  
60x60 cm matt



Stone



Porcelan / 60x60



# DORADA

30x60 / 60x60 cm



9363 Dorada beige  
30x60 cm matt



9343 Dorada beige  
60x60 cm matt



Stone



Porcelan 30x60 / 60x60



# CASSERO

60x60 cm



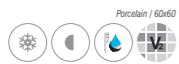
9393 Cassero beige  
60x60 cm matt



9394 Cassero grey  
60x60 cm matt



*Cement*



Porcelain / 60x60



# PIRIN

60x60 cm



9565 Pirin light grey  
60x60 cm matt



9564 Pirin grey  
60x60 cm matt



Stone



Porcelain / 60x60



# SANTANA

30x60 / 60x60 cm



**9321 Santana beige**  
30x60 cm matt



**9322 Santana grey**  
30x60 cm matt



**9323 Santana anthracite**  
30x60 cm matt



**9331 Santana beige**  
60x60 cm matt



**9333 Santana grey**  
60x60 cm matt



**9332 Santana anthracite**  
60x60 cm matt



**9334 Santana mix beige**  
60x60 cm matt



**9336 Santana mix grey**  
60x60 cm matt



**9335 Santana mix anthracite**  
60x60 cm matt



Stone



Porcelain 30x60 / 60x60



# NAVONA

30x60 / 60x60 cm



**9362 Navona grey**  
30x60 cm matt



**9361 Navona beige**  
30x60 cm matt



**9339 Navona grey**  
60x60 cm matt



**9338 Navona beige**  
60x60 cm matt



**9341 Navona mix grey**  
60x60 cm matt



**9340 Navona mix beige**  
60x60 cm matt



*Marble*



Porcelain 30x60 / 60x60



# CARRARA

60x60 cm



9102 Carrara grey  
60x60 cm matt



9391 Carrara grey  
60x60 cm glossy



Marble





# MARMI

30x60 / 60x60 cm



**9519 Marmi white**  
30x60 cm matt



**9518 Marmi white**  
60x60 cm matt



*Marble*



Porcelain 30x60 / 60x60



# MYKONOS

30x60 / 60x60 cm



9549 Mykonos white  
30x60 cm matt



9550 Mykonos white  
60x60 cm matt



Marble



Porcelain 30x60 / 60x60



# MARFIL

60x60 cm

9480 Marfil beige  
60x60 cm glossy



Marble



Porcelan / 60x60

# TRAVERTINE

60x60 cm

9042 Travertine ivory  
60x60 cm matt



Marble



Porcelan / 60x60



# MERANO

60x60 cm



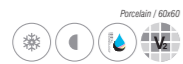
9293 Merano grey  
60x60 cm matt



9292 Merano beige  
60x60 cm matt



Marble



Porcelan / 60x60



# RAPOLANO

60x60 cm



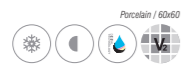
9101 Rapolano beige  
60x60 cm matt



9100 Rapolano grey  
60x60 cm matt



Marble



Porcelain / 60x60



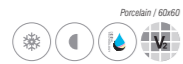
# SUMATRA

60x60 cm

9071 Sumatra  
60x60 cm matt



*Marble*



Porcelan / 60x60

# ATTICA

60x60 cm

9513 Attica beige  
60x60 cm glossy



*Marble*



Porcelan / 60x60



# TRIESTE

60x60 cm



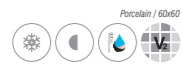
9498 Trieste cream  
60x60 cm matt



9497 Trieste beige  
60x60 cm matt



Marble



Percelán / 60x60



# EMPERADOR

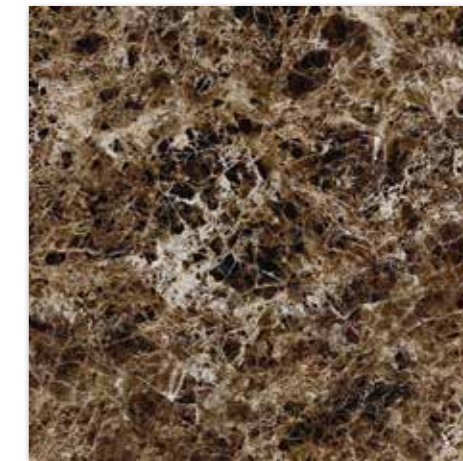
60x60 cm



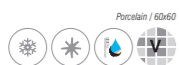
9387 Emperador beige  
60x60 cm glossy



9388 Emperador mocca  
60x60 cm glossy



Marble



Porcelan / 60x60



# PANDORA

60x60 cm



9094 Pandora beige  
60x60 cm matt



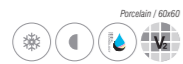
9095 Pandora brown  
60x60 cm matt



9096 Pandora grey  
60x60 cm matt



Wood



Porcelain / 60x60



# STUDIO

60x60 cm



9093 Studio beige  
60x60 cm matt



Wood



Porcelain / 60x60



# VINTAGE

60x60 cm



9092 Vintage white  
60x60 cm matt



Wood

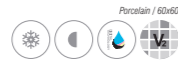


Porcelan / 60x60

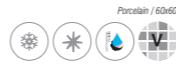


# SPECIAL PANELS

1449 Olimp light  
120x120 cm matt



1451 Imperial dark  
120x120 cm glossy

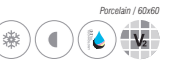


1443 Ground light  
120x120 cm matt

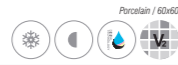


# SPECIAL PANELS

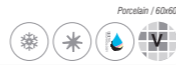
1445 Ground dark  
120x120 cm matt



1439 Olimp dark  
120x120 cm matt



1450 Imperial light  
120x120 cm glossy

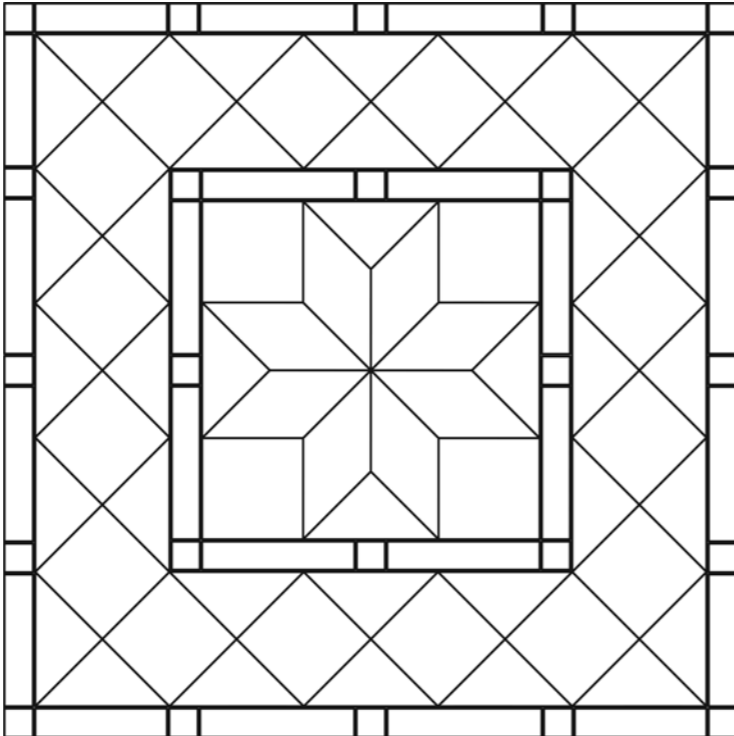
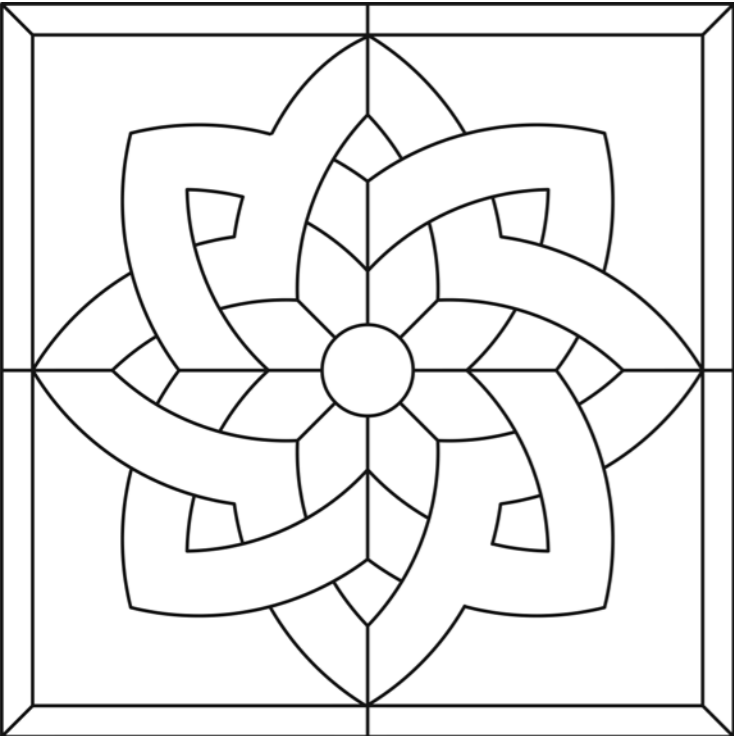
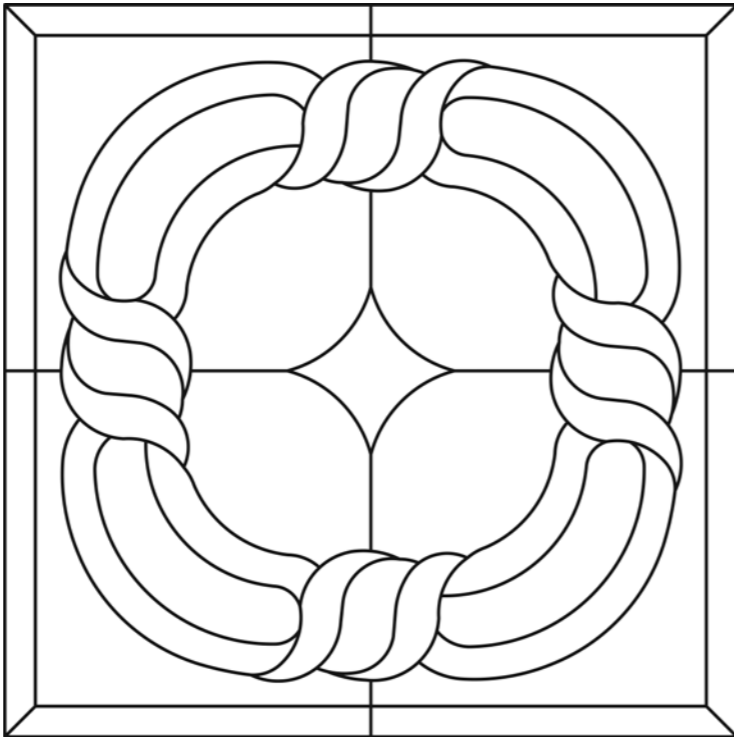
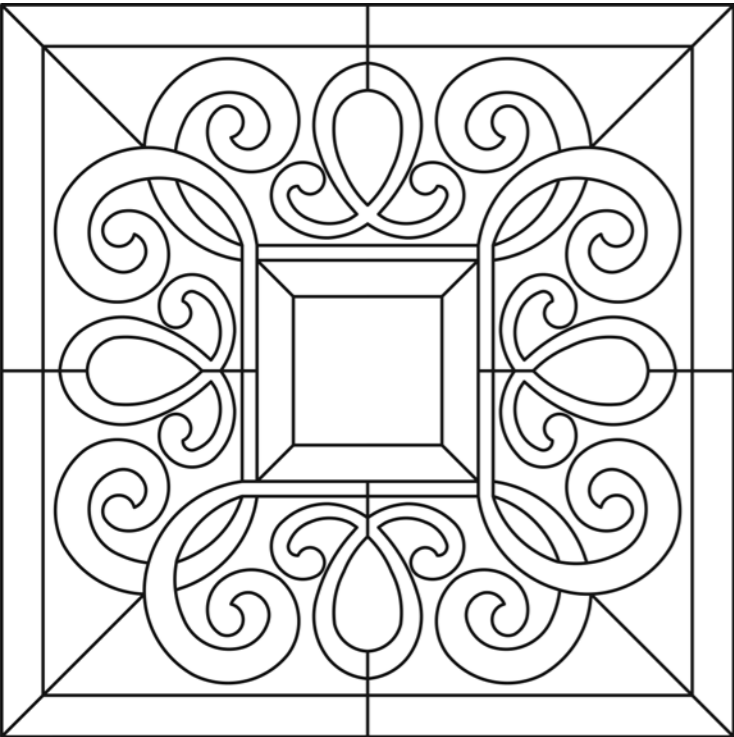


1528 Ground grey  
120x120 cm matt

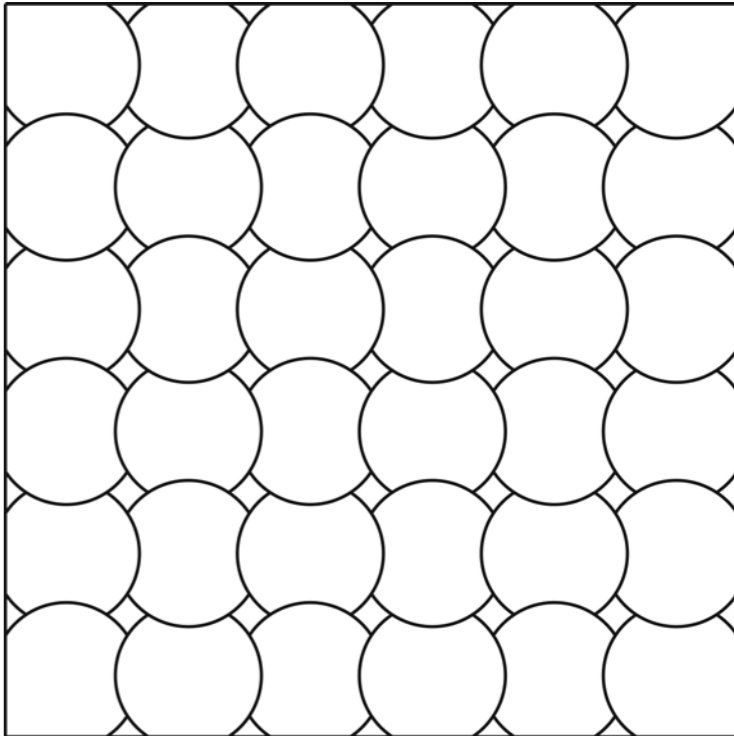
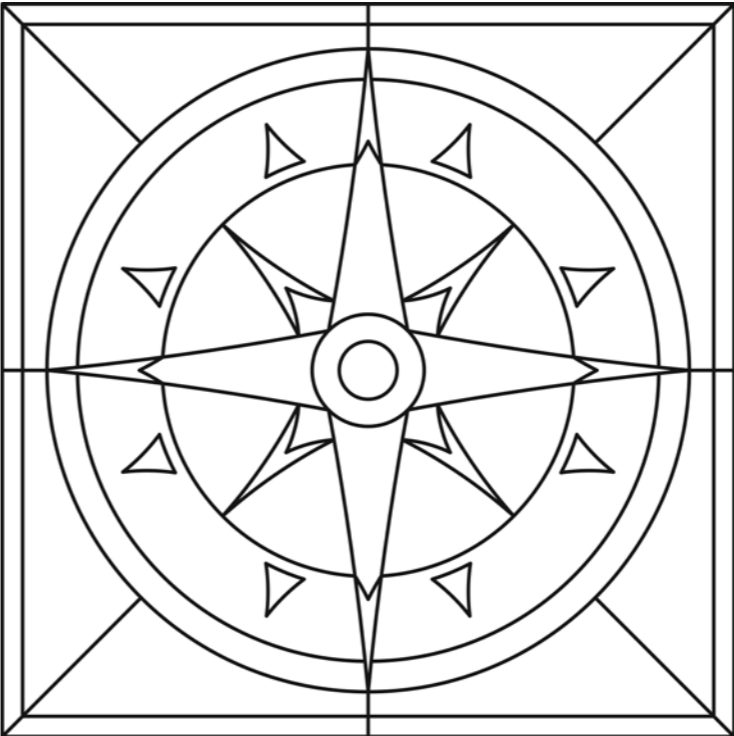
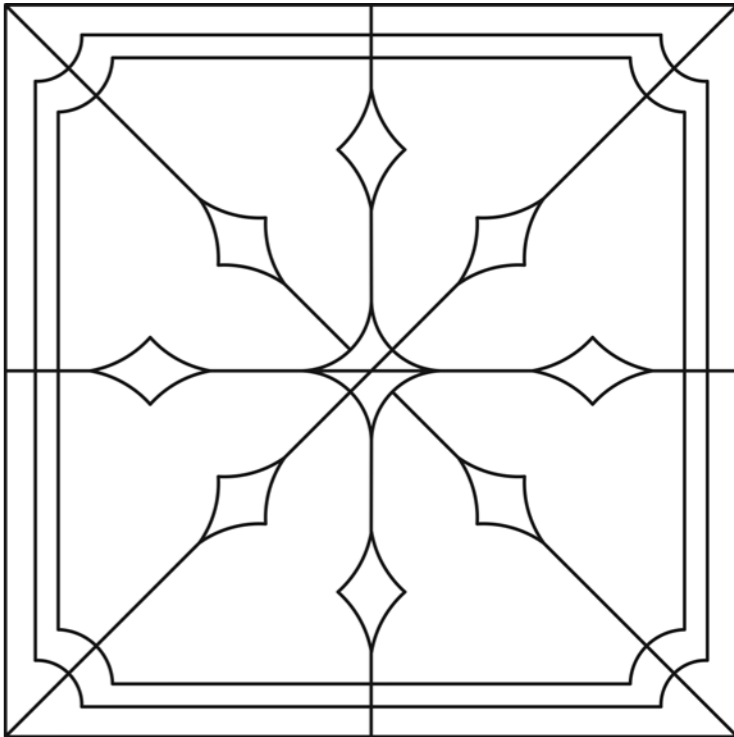
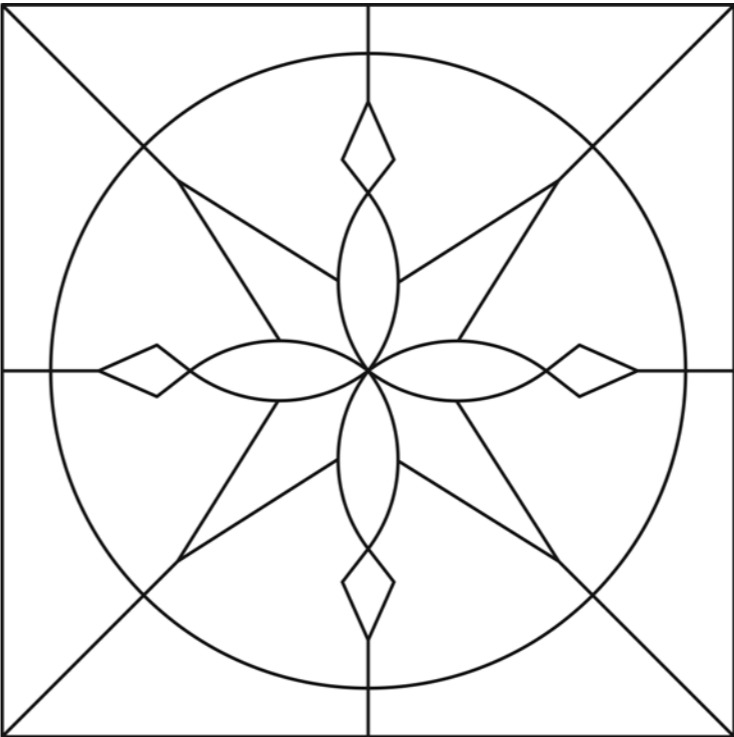




# SPECIAL PANELS



# SPECIAL PANELS





# Technical specifications

ТЕХНИЧЕСКИ СПЕЦИФИКАЦИИ ЗА КЕРАМИЧНИ ПЛОЧКИ						
TECHNICAL SPECIFICATION FOR CERAMIC TILES						
EN 14411:2016						
Характеристики/ Characteristics	ВIа Annex G N≥15 cm	ВIb Annex H N≥15 cm	ВIаа Annex J N≥15 cm	ВIbб Annex K N≥15 cm	ВIИ Annex L N≥15 cm	Метод изпитване/ Testing Method
	стена/wall nog/floor	стена/wall nog/floor	nog/floor	nog/floor	стена/wall	EN ISO
<b>A) Размери и качество на повърхността/ Dimensions and surface quality</b>						
A.1 Дължина и широчина / Length and width Отклонение на ср. р-р от проектния р-р / The permissible deviation of the average size from the work size						
	±0.6% max ±2mm	±0.6% max ±2mm	±0.6% max ±2mm	±0.6% max ±2mm	±0.5% max ±2mm	10545-2
A.2 Дебелини/Thicknesses						
a) Дебелината се посочва от производителя/The thickness shall be specified	a) Декларирана дебелина / Declared thickness					
b) Отклонение на ср. стойност от проектния р-р / The permissible deviation of the average thickness from the work thickness	±5% max ±0.5mm	±5% max ±0.5mm	±5% max ±0.5 mm	±5% max ±0.5 mm	±10% max ±0.5mm	10545-2
A.3 Праволинейност на ръбовете / Straightness of sides						
	±0.5% max ±1.5mm	±0.5% max ±1.5 mm	±0.5% max ±1.5 mm	±0.5% max ±1.5 mm	±0.3% max ±1.5mm	10545-2
A.4 Правъгълност / Rectangularity						
	±0.5% max ±2mm	±0.5% max ±2 mm	±0.5% max ±2 mm	±0.5% max ±2 mm	±0.5% max ±2mm	10545-2
A.5 Равнинност на повърхността/Surface flatness						
a) Огъване в центъра / Centre curvature	±0.5% max ±2mm	±0.5% max ±2mm	±0.5% max ±2 mm	±0.5% max ±2 mm	0.5%/-0.3% max +2/-1.5mm	10545-2
b) Огъване на ръбовете / Edge curvature	±0.5% max ±2mm	±0.5% max ±2 mm	±0.5% max ±2 mm	±0.5% max ±2 mm	0.5%/-0.3% max +2/-1.5mm	10545-2
c) Изкривяване / Warpage	±0.5% max ±2mm	±0.5% max ±2 mm	±0.5% max ±2 mm	±0.5% max ±2 mm	±0.5% max ±2mm	10545-2
A.6.Качество на повърхността/Surface quality Плочки без видими дефекти / Tiles with no visible defects						
	95%	95%	95%	95%	95%	10545-2
<b>B) Физични свойства / Physical properties</b>						
B.1 Водопоглъщаемост, % по маса / Water absorption / % by mass						
	E≤0.5%	0.5%<E≤3%	3%<E≤6%	6%<E≤10%	Сред. / Average E>10%	10545-3
B.2 Разрушаващо натоварване за(N) / Breaking strength for: a)дебелина≥7.5мм / thickness≥7.5mm b)дебелина<7.5мм / thickness<7.5mm						
	≥1300 ≥700	≥1100 ≥700	≥1000 ≥600	≥800 ≥500	≥600 ≥200	10545-4
B.3 Якост на огъване или якост на разрушаване, N/mm Flexural tensile strength or modulus of rupture, N/mm						
	min 35 N/mm <sup>2</sup>	min 30 N/mm <sup>2</sup>	min 22 N/mm <sup>2</sup>	Min 18 N/mm <sup>2</sup>	Деб. / Thickness≥7.5 mm min 12 N/mm <sup>2</sup>	10545-4
	Ег.мин./Individual min32 N/mm <sup>2</sup>	Ег.мин./Individual min27 N/mm <sup>2</sup>	Ег.мин./Individual min 20 N/mm <sup>2</sup>	Ег.мин./Individual min 16 N/mm <sup>2</sup>	Деб./Thickness<7.5 mm min 15 N/mm <sup>2</sup>	10545-4
B.4 Износостойчивост / Abrasion resistance						
a) Дълбочина абразия, mm / Deep abrasion mm	max 175 mm <sup>2</sup>	max 175 mm <sup>2</sup>	max 345 mm <sup>2</sup>	max 540 mm <sup>2</sup>	-	10545-6
b) Повърхностна абразия / Surface abrasion	Клас по износостойчивост и брой цикли, на които издържат / Abrasion class and cycles passed					10545-7
B.5 Коефициент на линейно термично разширение / Coefficient of linear thermal expansion От t на околната среда го 100С / From ambient t to 100C						
	Декларирана стойност / Declared value					10545-8
B.6 Устойчивост термичен шок / Thermal shock resistance						
	Да издържат изпитването съгласно EN ISO 10545-1/ Pass according to EN ISO 10545-1					10545-9
B.7 Рисуемост/стойчивост глазурирани плочки* / Crazing resistance glazed tiles*						
	Да издържат изпитването съгласно EN ISO 10545-1 / Pass according to EN ISO 10545-1					10545-11

# Technical specifications

B.8 Мразоустойчивост / Frost resistance	Да издържат / Pass	Да издържат / Pass	Декларирана с-м / Decl. value	Декл. с-м / Decl. value	Декл. с-м / Decl.value	10545-12
B.9 Приплъзване / Slipperiness	Декларирана стойност / Declared Valued					CEN/TS 16165
B.10 Якост на сцепление/адхезия, за: / Bond strength, adhesion for: a) цементови лепила/cementitious adhesives b) дисперсни лепила/dispersion adhesives c) лепила от реактивни смоли/reaction resin adhesives	Декларирана стойност/Declared Valued Декларирана стойност/Declared Valued Декларирана стойност/Declared Valued					EN 1200:2007+ A1:2012,4.1w EN 1200:2007+ A1:2012,4.2 EN 1200:2007+ A1:2012,4.3
B.11 Влажностно разширение, в mm/m/ Moisture expansion, in mm/m	Декларирана стойност/Declared Valued					10545-10
B.12 Малки разлики в цвѐта, за:/Small color differences, for: a) глазурирани плочки/Glazed tiles b) неглазурирани плочки/Unglazed tiles	ΔEcmc <0.75 ΔE cmc <1.0	ΔEcmc <0.75 ΔE cmc <1.0	Ecmc <0.75 ΔE cmc <1.0	ΔEcmc <0.75 ΔE cmc <1.0	ΔEcmc <0.75 -	10545-16
B.13 Устойчивост на удар, камо:/Impact resistance as: Коефициент на възвратно гвижение/ Coefficient of restitution	Декларирана стойност/Declared Valued					10545-5
B.14 Реакция на огън/Fire resistance	Клас A1/A1 FL Class A1/A1 FL					-
B.15 Осезаемост/Tactility	Декларирано описание на повърхността/Declared surface description					CEN/TS 15209
<b>C) Химични свойства/Chemical properties</b>						
C.1 Устойчивост на образуване на петна, за: /Resistance to staining, for: a) глазурирани плочки/Glazed tiles b) неглазурирани плочки/Unglazed tiles	Минимум клас 3/min class 3 Декларирана стойност/Declared Valued					10545-14
C.2 Устойчивост на химикали/Resistance to chemicals a) Устойчивост на разтвори на киселини и основи с ниска концентрация/ Resistance to low concentration of acids and alkalis b) Устойчивост на разтвори на киселини и основи с висока концентрация/ Resistance to high concentration of acids and alkalis c) Устойчивост на битови препарати и соли за плувни басейни/Resistance to household chemicals and swimming pool salts	Декларирана стойност/Declared Valued Декларирана стойност/Declared Valued Минимум клас B/min class B					10545-13 10545-13 10545-13
C.3 Отделяне на опасни вещества/Release of dangerous substances a) Кадмий/Cadmium b) Олово/Lead (mg/dm <sup>2</sup> ) c) Други/Others	Декларирана стойност/Declared Valued Декларирана стойност/Declared Valued Декларирана стойност/Declared Valued					10545-15 10545-15 Които е приложим / As relevant

## \*Colour reproduction approximate

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## LEGEND



Porcelain



Matt



Glossy



Special effect



Rectified



Lappato



15x60 and 30x60 rectified sizes can be used in modular combinations if laid with 2 mm joint.



Digital Technology



Plain colour&design



Slight variation of colour&design



Medium variation of colour&design



Intensive variation of colour&design



# Technical specifications

Информацията в този каталог има ориентиращ характер и съдържанието под формата на снимки, съвети, логистична информация, продуктова информация би следвало да се разглежда като източник на вдъхновение и цели да информира потребителите относно последните тенденции при изграждането на различни интериорни дизайни. Потребителят е нужно да се запознае с продуктовете характеристики и конкретните указания за използването на всеки продукт, които могат да бъдат намерени върху неговата опаковка. При различия в предоставената в този сайт информация и други източници, потребителят трябва се обърне към съответния производител и/или пред представляващия го дистрибутор.

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For more technical details&certifications, please refer to our website <http://www.kai.bg> or dial 0700 1 444

За повече технически детайли и сертификати, моля посетете нашия сайт <http://www.kai.bg> или позвънете на телефон 0700 1 444

Size cm	Type	pc.	m <sup>2</sup>	pc.	m <sup>2</sup>	kg
30x60	porcelain	8	1.44	36	51.84	1074
60x60	porcelain	3	1.08	40	43.20	815

Kind	Size cm	Type	pc.	m <sup>2</sup>	pc.	m <sup>2</sup>	kg
Panel	120x120	porcelain	1	-	5	-	177.6

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