



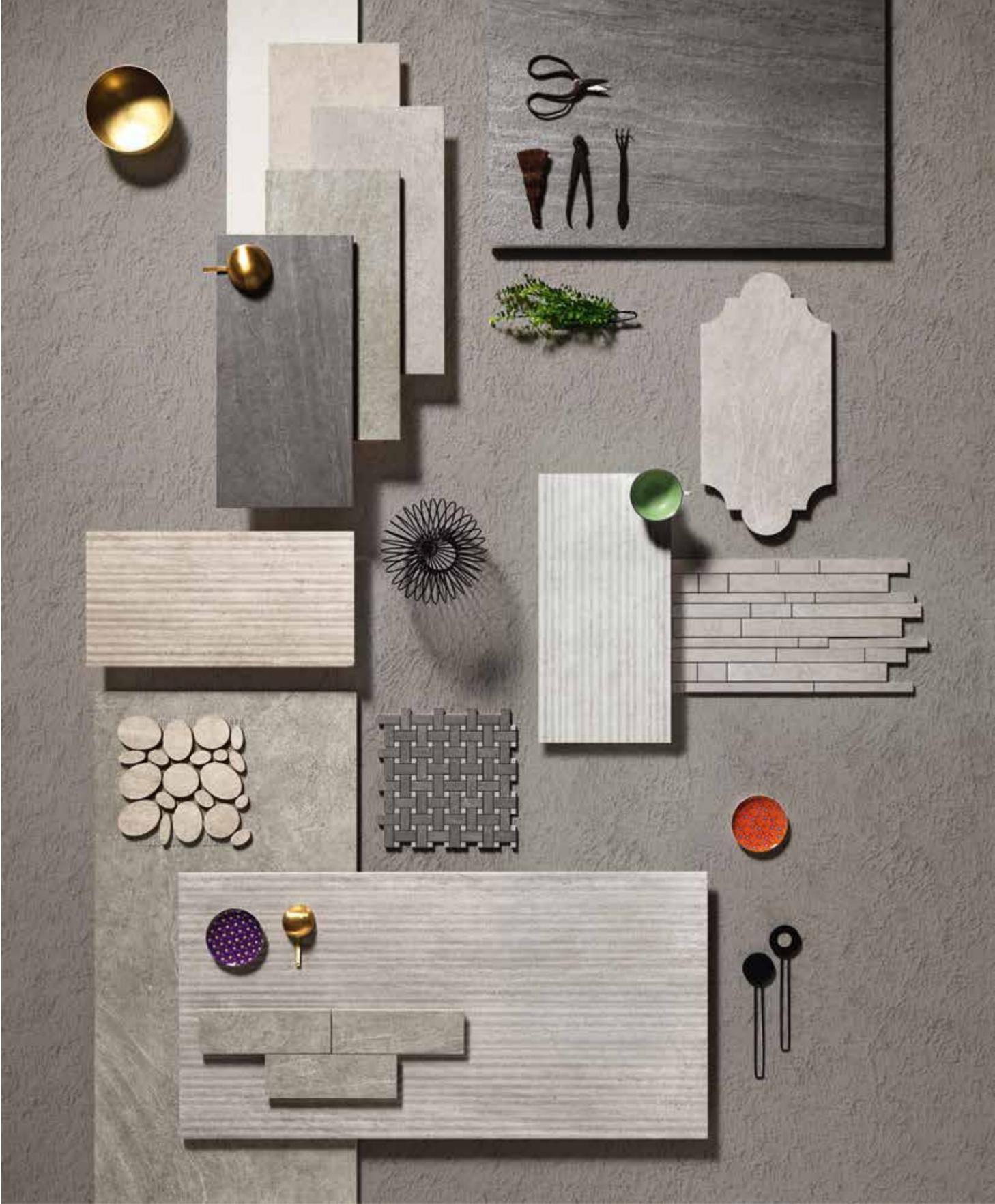
ASPEN
expressive surfaces



EXPRESSIVE SURFACE

Aspen is unique stone-effect porcelain stoneware based on a selection of varied natural surfaces with a common denominator: tactile elegance.

COLOURS & SHAPES





FLOOR: Sand Moon Rettificato 100x100 - 39^{3/8}x39^{3/8}

100x100 cm, THE AMAZING SIZE THAT DRAWS CONTINUITY.

NovaBell's skills and technological investments give life to surfaces increasingly ductile with stronger performances. The incredible 100x100cm sizes give unparalleled visual continuity, amplitude of spaces and harmonious distribution of graphics, nuances and material details.

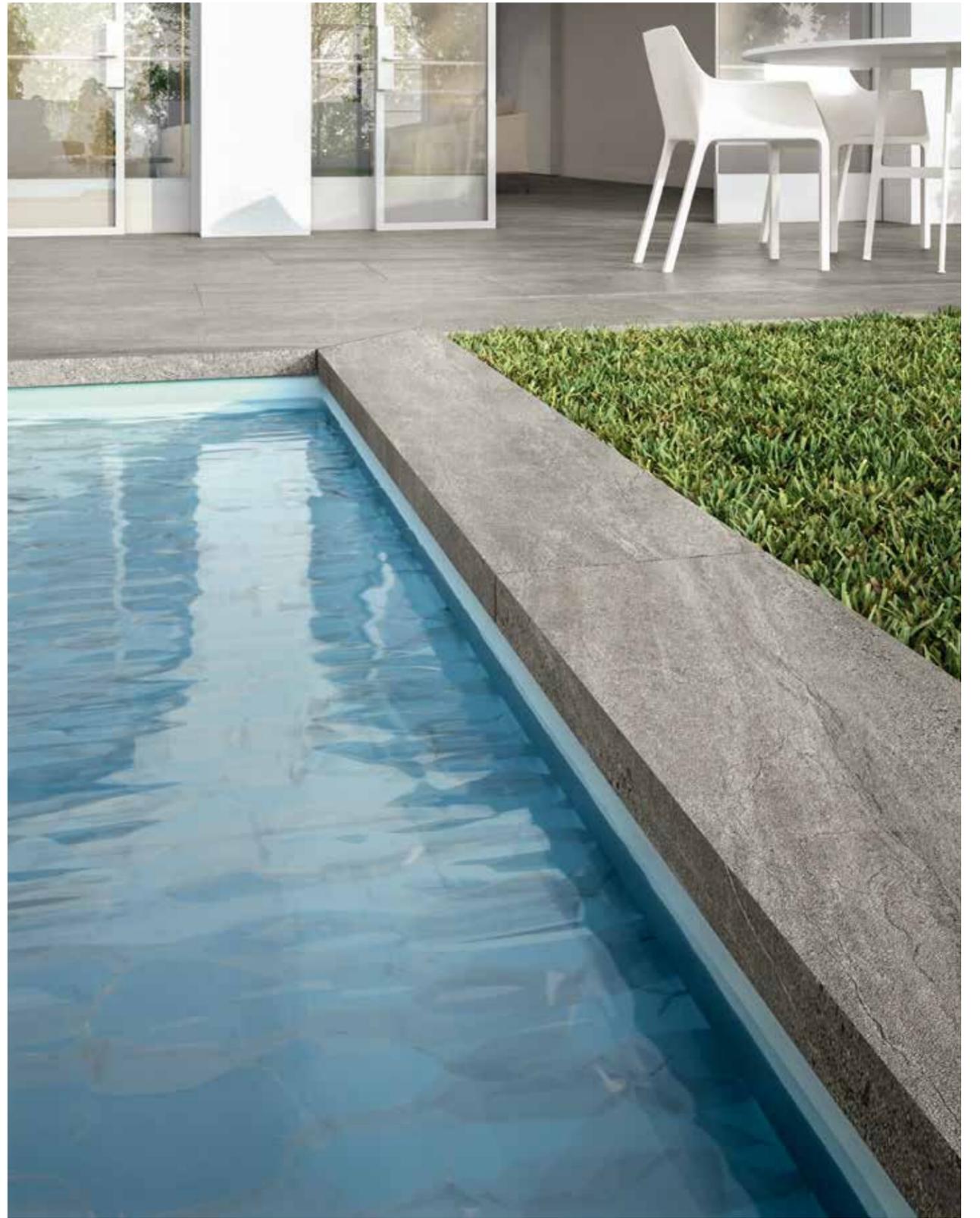
100x100 cm



WALL: **Struttura Grooves** Sand Moon Rettificato 60x120 - 23^{5/8}x47^{1/4} / Forge Metal Bronzo Rettificato 60x120 - 23^{5/8}x47^{1/4}
FLOOR: Sand Moon Rettificato 100x100 - 39^{3/8}x39^{3/8}



WALL: Muretto Oxide Rettificato 10x30 - 3^{15/16}"x11^{13/16}"
FLOOR: Oxide Rettificato 60x120 - 23^{5/8}"x47^{1/4}" / Oxide 20 mm Rettificato 60x90 - 23^{5/8}"x35^{7/16}"



Aspen special trims are chromatically perfect right up to the edges.



OUTDOOR FLOOR PROJECT

All special trims and accessories are coordinated with the plain tiles. This process ensures maximum aesthetic continuity between all household surfaces.



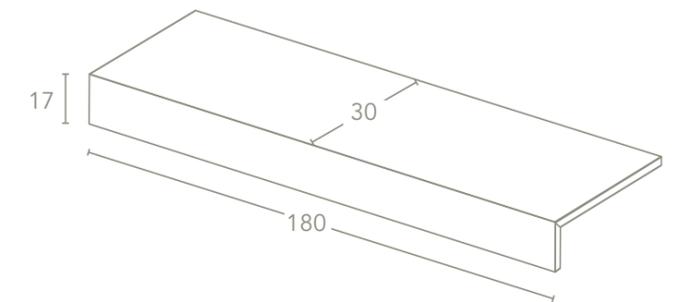


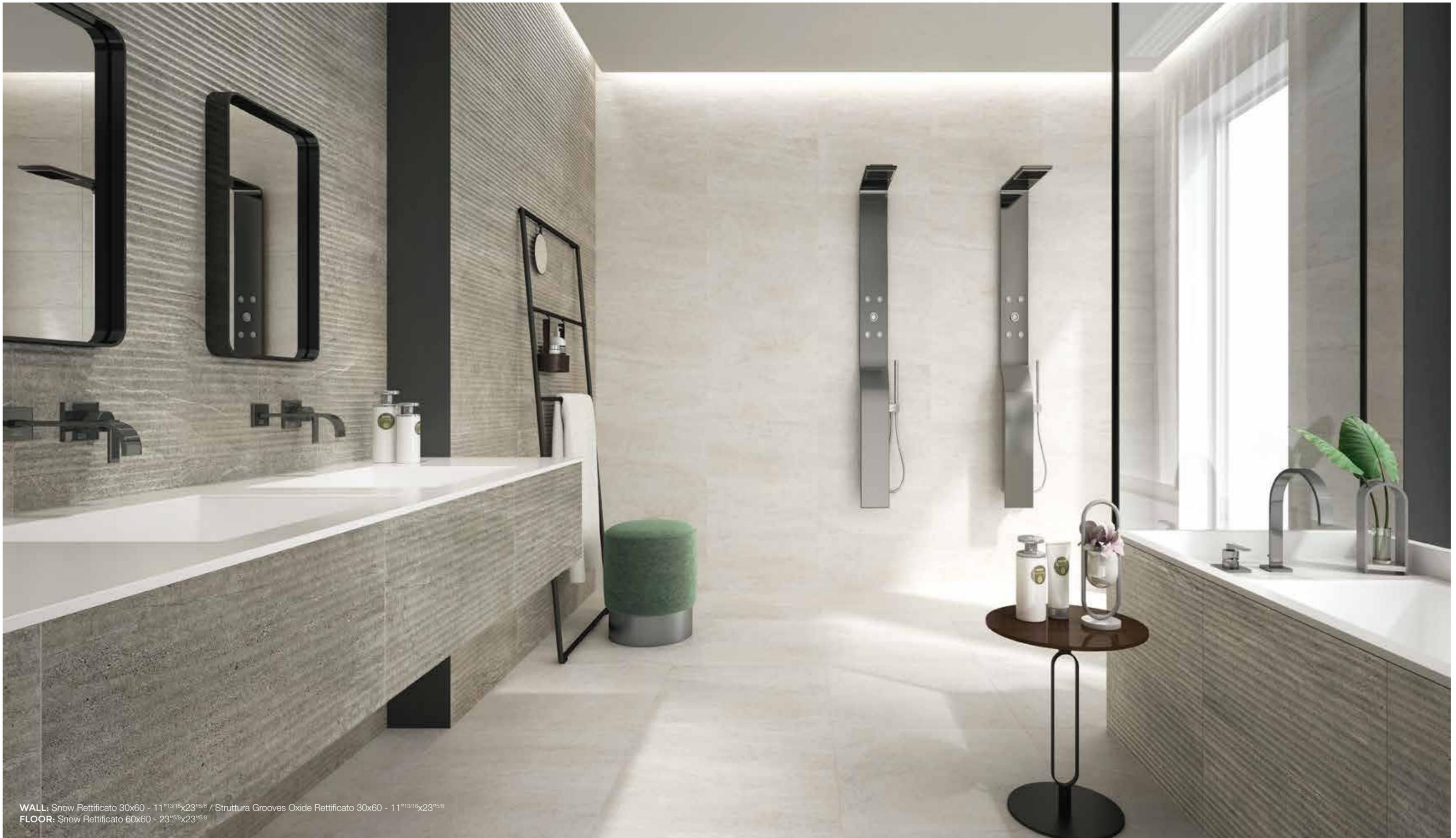
FLOOR: Rock Grey Rettificato 60x60 - 23^{5/8} x 23^{5/8} / Rock Grey 20 mm Rettificato 60x90 - 23^{5/8} x 35^{7/16}



SPECIAL BEAUTY

NovaBell designs ceramic elements that can be modelled with extreme precision on any scale. Every detail of the sizes is perfected in order to facilitate installation on the screed. The elements create an impeccable total look and are highly resistant.



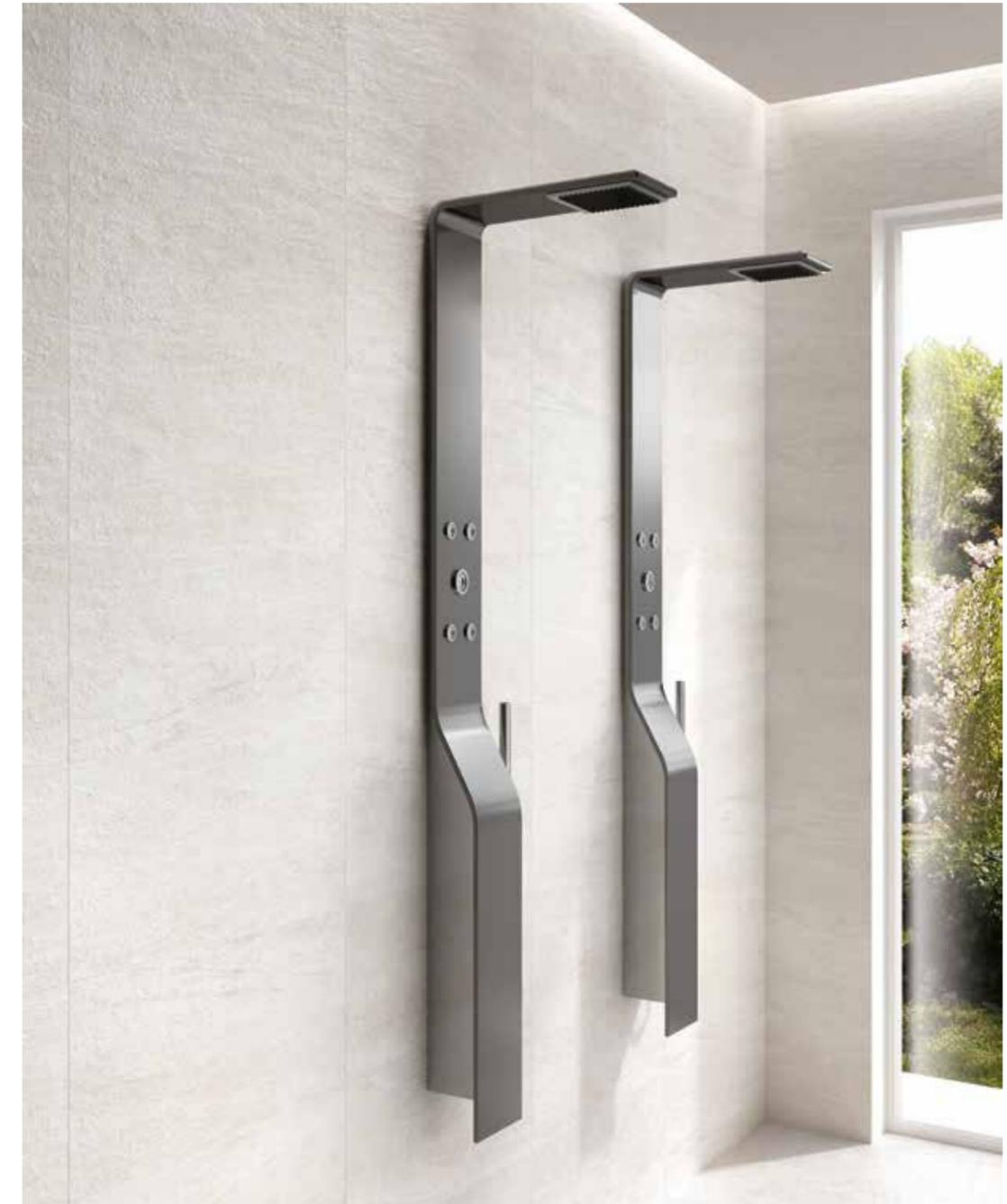


WALL: Snow Rettificato 30x60 - 11^m13/16x23^m5/8 / Struttura Grooves Oxide Rettificato 30x60 - 11^m13/16x23^m5/8
FLOOR: Snow Rettificato 60x60 - 23^m5/8x23^m5/8



GROOVES 3D SURFACE

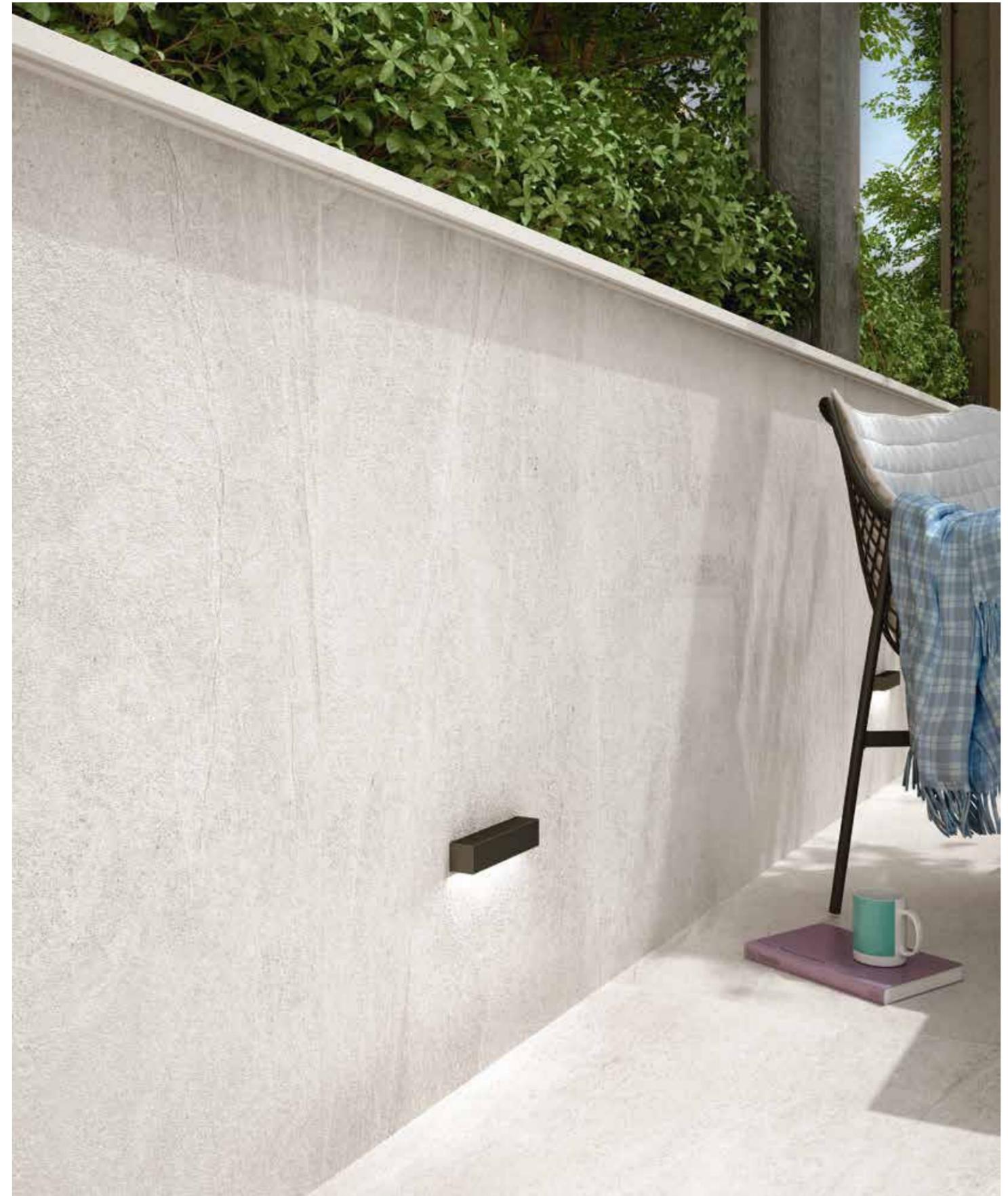
Grooves is a three-dimensional structure that enhances projects with its tactile, natural surface.





OUT WALK Porcelain slabs

WALL: Snow 20 mm Rettificato 60x90 - 23^{5/8}x35^{7/16} / Copertina 30x60 - 11^{13/16}x23^{5/8}
 FLOOR: MULTIFORMATO 2 Modulo 3 Formati Snow 20 mm Rettificato





ITEMS





cm. 100x100 inch. 39³/₈x39³/₈ cm. 60x120 inch. 23⁵/₈x47¹/₄ cm. 60x60 inch. 23⁵/₈x23⁵/₈ cm. 30x60 inch. 11¹³/₁₆x23⁵/₈ cm. 10x30 inch. 3¹⁵/₁₆x11¹³/₁₆



60x120 - 23⁵/₈x47¹/₄
APN 12RT Rock Grey Rettificato

02
1075



60x60 - 23⁵/₈x23⁵/₈
APN 10RT Rock Grey Rettificato

03
1065



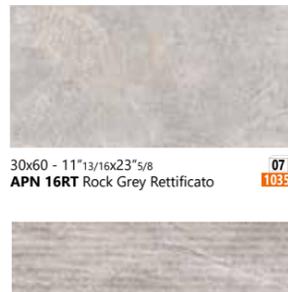
60x60 - 23⁵/₈x23⁵/₈
APN 17AS Rock Grey Antislip Rett.

03
1070



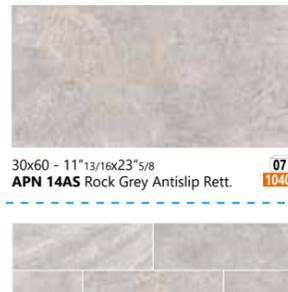
60x120 - 23⁵/₈x47¹/₄
APN 15RT Struttura Grooves Rock Grey Rettificato

02
1085



30x60 - 11¹³/₁₆x23⁵/₈
APN 16RT Rock Grey Rettificato

07
1035



30x60 - 11¹³/₁₆x23⁵/₈
APN 14AS Rock Grey Antislip Rett.

07
1040



30x60 - 11¹³/₁₆x23⁵/₈
APN 13RT Struttura Grooves Rock Grey Rettificato

06
1045



10x30 - 3¹⁵/₁₆x11¹³/₁₆
APN 11RT Muretto Rock Grey Rett.

28
1070



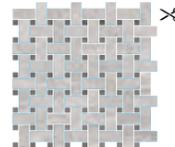
100x100 - 39³/₈x39³/₈
APN 101R Rock Grey Rettificato

02
1090



30x30 - 11¹³/₁₆x11¹³/₁₆
APN 115N Mos. 5x5 Rock Grey

10
3115



30x30 - 11¹³/₁₆x11¹³/₁₆
APN 118N Trama Rock Grey/Basalt

10
3145



30x60 - 11¹³/₁₆x23⁵/₈
APN 117N Mattoncino Rock Grey

04
3120

TECHNICAL		DIN EN 16165 annex B	DIN EN 16165 annex A	BCR	ANSI DCOF	Deep Abrasion Resistance	MOHS	Recommended Use	Resistance to Staining	ANSI A 137.1
N	NATURAL	R10	A+B	DRY > 0.40 WET > 0.40	WET ≥ 0.42	< 175 mm ³	≥ 5	4	5	
ANTISLIP	ANTISLIP	R11	A+B+C	DRY > 0.40 WET > 0.40	WET ≥ 0.42	< 175 mm ³	≥ 7	5	5	V3
OUT WALK	20 MM 30 MM	R11	A+B+C	DRY > 0.40 WET > 0.40	WET ≥ 0.42	< 130 mm ³	≥ 8	5	5	



60x60 - 23⁵/₈x23⁵/₈
Y80160 Rock Grey 20 MM Rett.

02
1110



cm. 60x180 inch. 23⁵/₈x70⁷/₈ cm. 60x90 inch. 23⁵/₈x35⁷/₁₆
cm. 60x120 inch. 23⁵/₈x47¹/₄ cm. 60x60 inch. 23⁵/₈x23⁵/₈
cm. 100x100 inch. 38³/₈x39³/₈



cm. 80x80 inch. 31¹/₂x31¹/₂ cm. 60x60 inch. 23⁵/₈x23⁵/₈
cm. 40x80 inch. 15³/₄x31¹/₂



60x180 - 23⁵/₈x70⁷/₈
APN 118R Rock Grey 20 MM Rettificato

01
1130



60x120 - 23⁵/₈x47¹/₄
APN 19RT Rock Grey 20 MM Rettificato

01
1125



60x90 - 23⁵/₈x35⁷/₁₆
APN 169R Rock Grey 20 MM Rettificato

01
1120



100x100 - 39³/₈x39³/₈
APN 121R Rock Grey 20MM Rettificato

01
1135

3cm



80x80 - 31¹/₂x31¹/₂
APN 188R Rock Grey 30MM Rettificato

01
1150



40x80 - 15³/₄x31¹/₂
APN 148R Rock Grey 30MM Rettificato

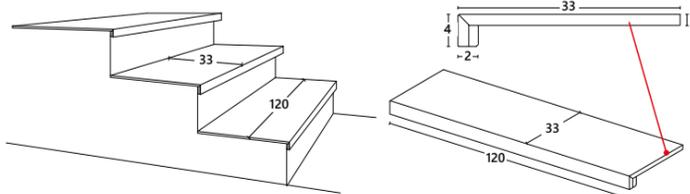
02
1135



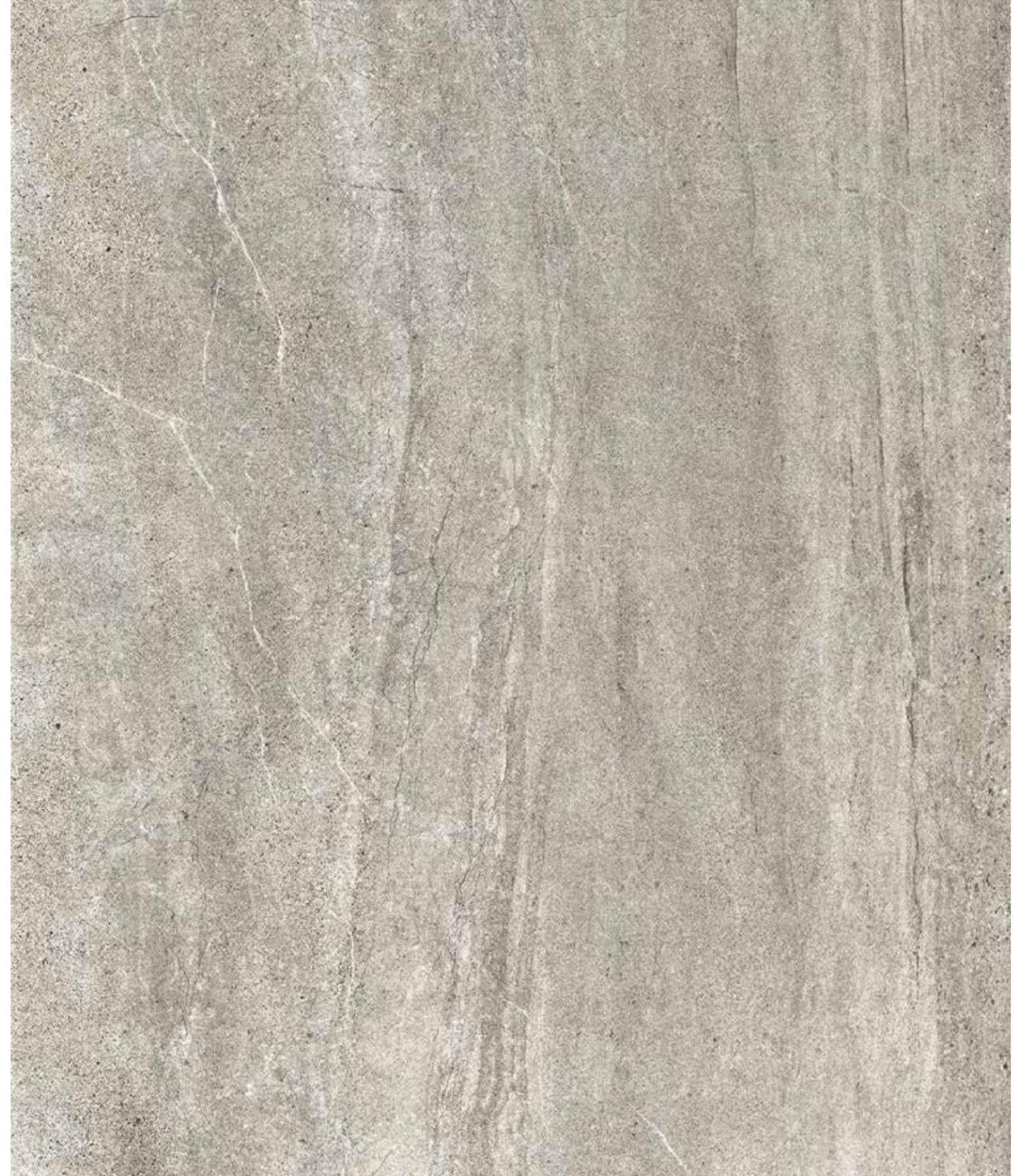
60x60 - 23⁵/₈x23⁵/₈
APN 160R Rock Grey 30 MM Rettificato

02
1130

LA SCALA DI CASA TUA. / YOUR STAIRCASE. / DIE TREPPE IN IHREM ZUHAUSE. / L'ESCALIER DE VOTRE MAISON.



15 230	01 670	01 676	01 676
Battiscopa 7x60 2 ³ / ₄ x23 ⁵ / ₈	Gradino Elle Rett. 33x120x4 13 ³ / ₄ x47 ¹ / ₄ x1 ⁹ / ₁₆	Angolo DX Rett. 33x120x4 13 ³ / ₄ x47 ¹ / ₄ x1 ⁹ / ₁₆	Angolo SX Rett. 33x120x4 13 ³ / ₄ x47 ¹ / ₄ x1 ⁹ / ₁₆
APN B10K	APN G11K	APN G12K	APN G13K





cm. 100x100
inch. 39³/₈x39³/₈

cm. 60x120
inch. 23⁵/₈x47¹/₄

cm. 60x60
inch. 23⁵/₈x23⁵/₈

cm. 30x60
inch. 11¹³/₁₆x23⁵/₈

cm. 10x30
inch. 3¹⁵/₁₆x11¹³/₁₆



60x120 - 23⁵/₈x47¹/₄
APN 72RT Oxide Rettificato

02
1075



60x60 - 23⁵/₈x23⁵/₈
APN 70RT Oxide Rettificato

03
1065



60x120 - 23⁵/₈x47¹/₄
APN 75RT Struttura Grooves Oxide Rettificato

02
1085



30x60 - 11¹³/₁₆x23⁵/₈
APN 76RT Oxide Rettificato

07
1035



30x60 - 11¹³/₁₆x23⁵/₈
APN 73RT Struttura Grooves Oxide Rettificato

06
1045



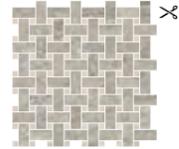
100x100 - 39³/₈x39³/₈
APN 107R Oxide Rettificato

02
1090



30x30 - 11¹³/₁₆x11¹³/₁₆
APN 775N Mos. 5x5 Oxide

10
8115



30x30 - 11¹³/₁₆x11¹³/₁₆
APN 778N Trama Oxide/Sand Moon

10
8145



10x30 - 3¹⁵/₁₆x11¹³/₁₆
APN 71RT Muretto Oxide Rettificato

28
1070



30x60 - 11¹³/₁₆x23⁵/₈
APN 777N Mattoncino Oxide

04
8120



cm. 60x180
inch. 23⁵/₈x70⁷/₈

cm. 60x90
inch. 23⁵/₈x35⁷/₁₆

cm. 60x120
inch. 23⁵/₈x47¹/₄

cm. 60x60
inch. 23⁵/₈x23⁵/₈

cm. 100x100
inch. 38³/₈x39³/₈

TECHNICAL		DIN EN 16165 annex B	DIN EN 16165 annex A	BCR	ANSI DCOF	Deep Abrasion Resistance	MOHS	Recommended Use	Resistance to Staining	ANSI A 137.1
N	NATURAL	R10	A+B	DRY > 0.40 WET > 0.40	WET ≥ 0.42	< 175 mm ³	≥ 5	4	5	
OUT WALK	20 MM	R11	A+B+C	DRY > 0.40 WET > 0.40	WET ≥ 0.42	< 130 mm ³	≥ 8	5	5	V3



60x180 - 23⁵/₈x70⁷/₈
APN 718R Oxide 20 MM Rettificato

01
1130



60x120 - 23⁵/₈x47¹/₄
APN 79RT Oxide 20 MM Rettificato

01
1125



60x90 - 23⁵/₈x35⁷/₁₆
APN 769R Oxide 20 MM Rettificato

01
1120

STONECREEK 80



60x60 - 23⁵/₈x23⁵/₈
Y80760 Oxide 20 MM Rett.

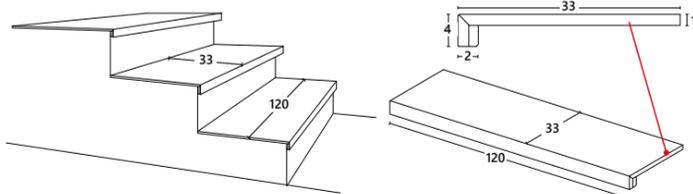
02
1110



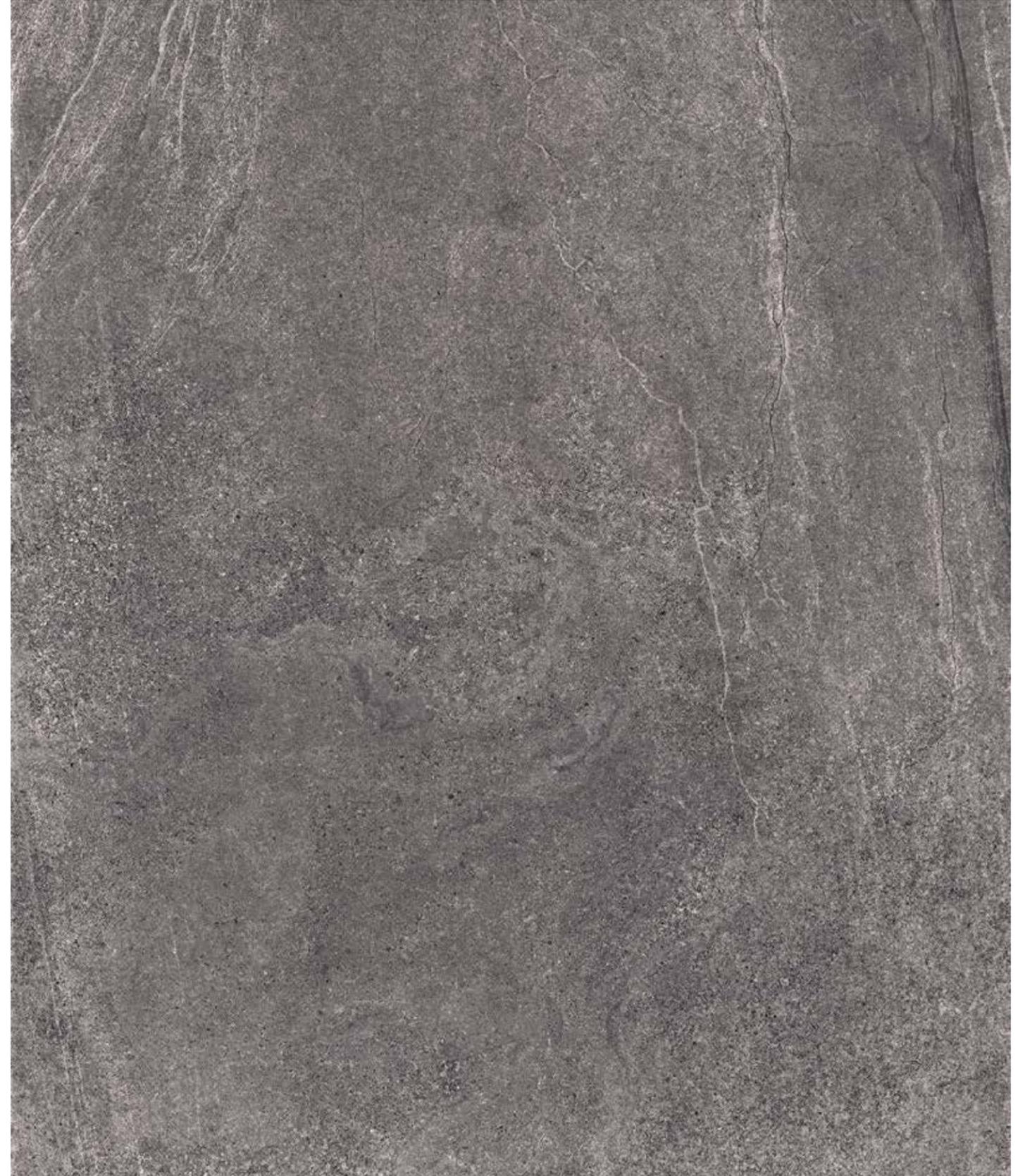
100x100 - 39³/₈x39³/₈
APN 127R Oxide 20MM Rettificato

01
1185

LA SCALA DI CASA TUA.
YOUR STAIRCASE. / DIE TREPPE IN IHREM ZUHAUSE. / L'ESCALIER DE VOTRE MAISON.



	15 230		01 670		01 676		01 676
Battiscopa 7x60 2 ³ / ₄ x42x23 ⁵ / ₈	APN B70K	Gradino Elle Rett. 33x120x4 13"x47" ¹ / ₄ x1 ⁹ / ₁₆	APN G71K	Angolo DX Rett. 33x120x4 13"x47" ¹ / ₄ x1 ⁹ / ₁₆	APN G72K	Angolo SX Rett. 33x120x4 13"x47" ¹ / ₄ x1 ⁹ / ₁₆	APN G73K





cm. 100x100 inch. 39³/₈x39³/₈ cm. 60x120 inch. 23⁵/₈x47¹/₄ cm. 60x60 inch. 23⁵/₈x23⁵/₈ cm. 30x60 inch. 11¹³/₁₆x23⁵/₈ cm. 10x30 inch. 3¹⁵/₁₆x11¹³/₁₆



60x120 - 23⁵/₈x47¹/₄
APN 22RT Basalt Rettificato

02
1075



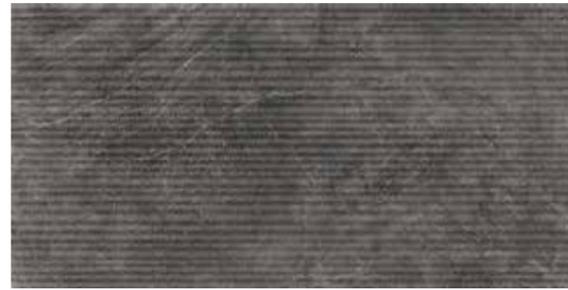
60x60 - 23⁵/₈x23⁵/₈
APN 20RT Basalt Rettificato

03
1065



60x60 - 23⁵/₈x23⁵/₈
APN 27AS Basalt Antislip Rett.

03
1070



60x120 - 23⁵/₈x47¹/₄
APN 25RT Struttura Grooves Basalt Rettificato

02
1085



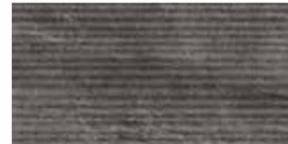
30x60 - 11¹³/₁₆x23⁵/₈
APN 26RT Basalt Rettificato

07
1035



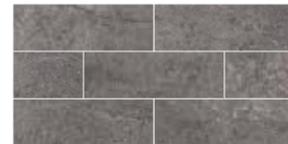
30x60 - 11¹³/₁₆x23⁵/₈
APN 24AS Basalt Antislip Rett.

07
1040



30x60 - 11¹³/₁₆x23⁵/₈
APN 23RT Struttura Grooves Basalt Rettificato

06
1045



10x30 - 3¹⁵/₁₆x11¹³/₁₆
APN 21RT Muretto Basalt Rettificato

28
1070



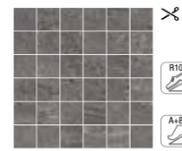
30x60 - 11¹³/₁₆x23⁵/₈
APN 227N Mattoncino Basalt

04
1120



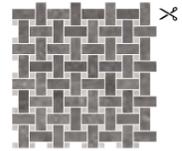
100x100 - 39³/₈x39³/₈
APN 102R Basalt Rettificato

02
1090



30x30 - 11¹³/₁₆x11¹³/₁₆
APN 225N Mos. 5x5 Basalt

10
1115



30x30 - 11¹³/₁₆x11¹³/₁₆
APN 228N Trama Basalt/Rock Grey

10
1145



cm. 60x180 inch. 23⁵/₈x70⁷/₈ cm. 60x90 inch. 23⁵/₈x35⁷/₁₆
cm. 60x120 inch. 23⁵/₈x47¹/₄ cm. 60x60 inch. 23⁵/₈x23⁵/₈
cm. 100x100 inch. 38³/₈x39³/₈



60x180 - 23⁵/₈x70⁷/₈
APN 218R Basalt 20 MM Rettificato

01
1160



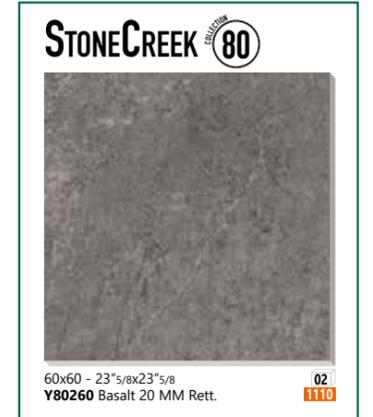
60x120 - 23⁵/₈x47¹/₄
APN 29RT Basalt 20 MM Rettificato

01
1125



60x90 - 23⁵/₈x35⁷/₁₆
APN 269R Basalt 20 MM Rettificato

01
1120



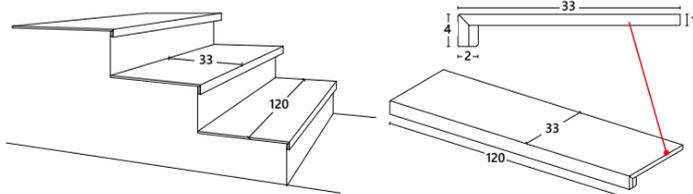
60x60 - 23⁵/₈x23⁵/₈
Y80260 Basalt 20 MM Rett.

02
1110

TECHNICAL	DIN EN 16165 annex B	DIN EN 16165 annex A	BCR	ANSI DCOF	Deep Abrasion Resistance	MOHS	Recommended Use	Resistance to Staining	ANSI A 137.1
N	R10	A+B	DRY > 0.40 WET > 0.40	WET ≥ 0.42	< 175 mm ³	≥ 5	4	5	
ANTISLIP	R11	A+B+C	DRY > 0.40 WET > 0.40	WET ≥ 0.42	< 175 mm ³	≥ 7	5	5	V3
OUT WALK	R11	A+B+C	DRY > 0.40 WET > 0.40	WET ≥ 0.42	< 130 mm ³	≥ 8	5	5	



LA SCALA DI CASA TUA. / YOUR STAIRCASE. / DIE TREPPE IN IHREM ZUHAUSE. / L'ESCALIER DE VOTRE MAISON.



15 230	01 670	01 676	01 676
Battiscopa 7x60 2 ³ / ₄ x23 ⁵ / ₈	Gradino Elle Rett. 33x120x4 13"x47 ¹ / ₄ x1 ⁹ / ₁₆	Angolo DX Rett. 33x120x4 13"x47 ¹ / ₄ x1 ⁹ / ₁₆	Angolo SX Rett. 33x120x4 13"x47 ¹ / ₄ x1 ⁹ / ₁₆
APN B20K	APN G21K	APN G22K	APN G23K



100x100 - 39³/₈x39³/₈
APN 122R Basalt 20MM Rettificato

01
1185





cm. 100x100 cm. 60x120 cm. 60x60 cm. 30x60 cm. 10x30
 inch. 39³/₈x39³/₈ inch. 23⁵/₈x47¹/₄ inch. 23⁵/₈x23⁵/₈ inch. 11¹³/₁₆x23⁵/₈ inch. 3¹⁵/₁₆x11¹³/₁₆



60x120 - 23⁵/₈x47¹/₄
APN 82RT Snow Rettificato

02
1075



60x60 - 23⁵/₈x23⁵/₈
APN 80RT Snow Rettificato

03
1065



60x120 - 23⁵/₈x47¹/₄
APN 85RT Struttura Grooves Snow Rettificato

02
1085



30x60 - 11¹³/₁₆x23⁵/₈
APN 86RT Snow Rettificato

07
1035



30x60 - 11¹³/₁₆x23⁵/₈
APN 83RT Struttura Grooves Snow Rettificato

06
1045



10x30 - 3¹⁵/₁₆x11¹³/₁₆
APN 81RT Muretto Snow Rettificato

28
1070



30x60 - 11¹³/₁₆x23⁵/₈
APN 887N Mattoncino Snow

04
1120



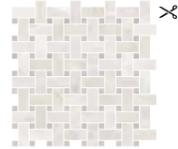
100x100 - 39³/₈x39³/₈
APN 108R Snow Rettificato

02
1090



30x30 - 11¹³/₁₆x11¹³/₁₆
APN 885N Mos. 5x5 Snow

10
1115



30x30 - 11¹³/₁₆x11¹³/₁₆
APN 888N Trama Snow/Rock Grey

10
1145



cm. 60x180 cm. 60x90
 inch. 23⁵/₈x70⁷/₈ inch. 23⁵/₈x35⁷/₁₆



60x180 - 23⁵/₈x70⁷/₈
APN 818R Snow 20 MM Rettificato

01
1180



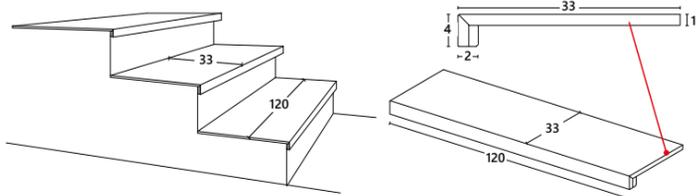
60x90 - 23⁵/₈x35⁷/₁₆
APN 869R Snow 20 MM Rettificato

01
1120

TECHNICAL	DIN EN 16165 annex B	DIN EN 16165 annex A	BCR	ANSI DCOF	Deep Abrasion Resistance	MOHS	Recommended Use	Resistance to Staining	ANSI A 137.1
N	NATURAL	R10	A+B	DRY > 0.40 WET > 0.40	WET ≥ 0.42	< 175 mm ³	≥ 5	4	5
OUT WALK	20 MM	R11	A+B+C	DRY > 0.40 WET > 0.40	WET ≥ 0.42	< 130 mm ³	≥ 8	5	5



LA SCALA DI CASA TUA.
 YOUR STAIRCASE. / DIE TREPPE IN IHREM ZUHAUSE. / L'ESCALIER DE VOTRE MAISON.



15 230	01 670	01 676	01 676
Battiscopa 7x60 2 ³ / ₄ x23 ⁵ / ₈	Gradino Elle Rett. 33x120x4 13 ³ / ₄ x47 ¹ / ₄ x1 ⁹ / ₁₆	Angolo DX Rett. 33x120x4 13 ³ / ₄ x47 ¹ / ₄ x1 ⁹ / ₁₆	Angolo SX Rett. 33x120x4 13 ³ / ₄ x47 ¹ / ₄ x1 ⁹ / ₁₆
APN B80K	APN G81K	APN G82K	APN G83K





cm. 100x100
inch. 39³/₈x39³/₈

cm. 60x120
inch. 23⁵/₈x47¹/₄

cm. 60x60
inch. 23⁵/₈x23⁵/₈

cm. 30x60
inch. 11¹³/₁₆x23⁵/₈

cm. 10x30
inch. 3¹⁵/₁₆x11¹³/₁₆



60x120 - 23⁵/₈x47¹/₄
APN 42RT Sand Moon Rettificato

02
1075



60x60 - 23⁵/₈x23⁵/₈
APN 40RT Sand Moon Rettificato

03
1065



60x60 - 23⁵/₈x23⁵/₈
APN 47AS Sand Moon Antislip Rett.

03
1070



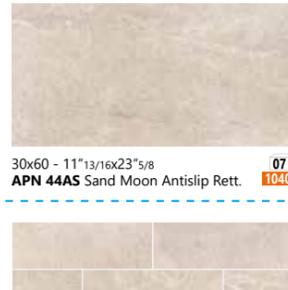
60x120 - 23⁵/₈x47¹/₄
APN 45RT Struttura Grooves Sand Moon Rettificato

02
1085



30x60 - 11¹³/₁₆x23⁵/₈
APN 46RT Sand Moon Rettificato

07
1035



30x60 - 11¹³/₁₆x23⁵/₈
APN 44AS Sand Moon Antislip Rett.

07
1040



30x60 - 11¹³/₁₆x23⁵/₈
APN 43RT Struttura Grooves Sand Moon Rettificato

06
1045



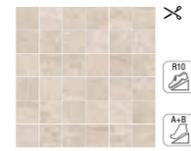
10x30 - 3¹⁵/₁₆x11¹³/₁₆
APN 41RT Muretto Sand Moon Rett.

28
1070



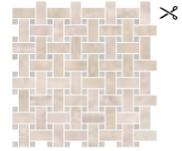
100x100 - 39³/₈x39³/₈
APN 104R Sand Moon Rettificato

02
1090



30x30 - 11¹³/₁₆x11¹³/₁₆
APN 445N Mos. 5x5 Sand Moon

10
3115



30x30 - 11¹³/₁₆x11¹³/₁₆
APN 448N Trama Sand Moon/Rock Grey

10
3145



30x60 - 11¹³/₁₆x23⁵/₈
APN 447N Mattoncino Sand Moon

04
3120



cm. 60x120
inch. 23⁵/₈x47¹/₄

cm. 100x100
inch. 38³/₈x39³/₈

cm. 60x60
inch. 23⁵/₈x23⁵/₈



60x120 - 23⁵/₈x47¹/₄
APN 49RT Sand Moon 20 MM Rett.

01
1125

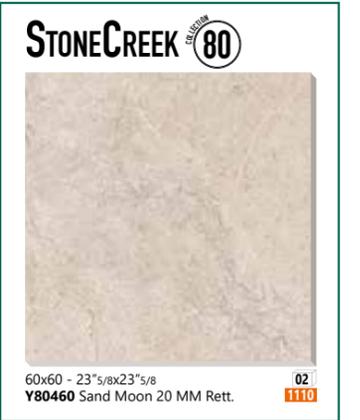


100x100 - 39³/₈x39³/₈
APN 124R Sand Moon 20MM Rettificato

01
1135

TECHNICAL	DIN EN 16165 annex B	DIN EN 16165 annex A	BCR	ANSI DCOF	Deep Abrasion Resistance	MOHS	Recommended Use	Resistance to Staining	ANSI A 137.1
N	R10	A+B	DRY > 0.40 WET > 0.40	WET ≥ 0.42	< 175 mm ³	≥ 5	4	5	
ANTISLIP	R11	A+B+C	DRY > 0.40 WET > 0.40	WET ≥ 0.42	< 175 mm ³	≥ 7	5	5	V3
OUT WALK	R11	A+B+C	DRY > 0.40 WET > 0.40	WET ≥ 0.42	< 130 mm ³	≥ 8	5	5	

OUT WALK Porcelain slabs

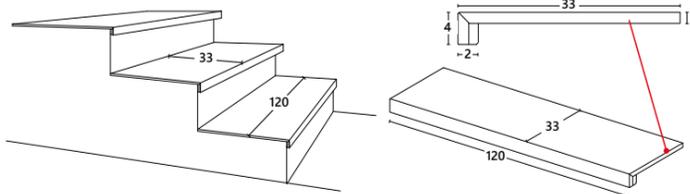


60x60 - 23⁵/₈x23⁵/₈
Y80460 Sand Moon 20 MM Rett.

02
1110

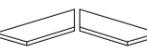
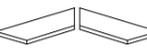
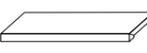
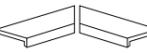
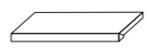
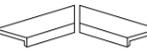
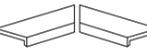


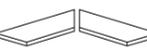
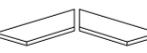
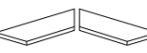
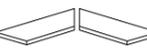
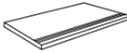
LA SCALA DI CASA TUA.
YOUR STAIRCASE. / DIE TREPPE IN IHREM ZUHAUSE. / L'ESCALIER DE VOTRE MAISON.



15 230	01 670	01 676	01 676
Battiscopa 7x60 2 ³ / ₄ x23 ⁵ / ₈	Gradino Elle Rett. 33x120x4 13 ³ / ₄ x47 ¹ / ₄ x1 ⁹ / ₁₆	Angolo DX Rett. 33x120x4 13 ³ / ₄ x47 ¹ / ₄ x1 ⁹ / ₁₆	Angolo SX Rett. 33x120x4 13 ³ / ₄ x47 ¹ / ₄ x1 ⁹ / ₁₆
APN B40K	APN G41K	APN G42K	APN G43K

Special coordinated pieces ON DEMAND

CODICE GENERICO	DESCRIZIONE	FP
APN M181	 Gradino Monografico 1 33x180	01 683
APN M182	 Gradino Monografico DX/SX 33x180	01 684
APN M183	 Gradino Monografico 3 33x180	01 685
APN MA18	 Angolo Monografico SX/DX 33x180	1+1 686
APN M121	 Gradino Monografico 1 33x120	01 680
APN M122	 Gradino Monografico DX/SX 33x120	01 681
APN M123	 Gradino Monografico 3 33x120	01 682
APN MA12	 Angolo Monografico SX/DX 33x120	1+1 683
APN L1817	 Gradino L17 30x180x17	01 685
APN LA87	 Angolo L17 SX/DX 30x180x17	1+1 686
APN L1217	 Gradino L17 30x120x17	01 681
APN LA27	 Angolo L17 SX/DX 30x120x17	1+1 682
APN L1865	 Gradino Elle 30x180x6,5	01 683
APN LA18	 Angolo Elle SX/DX 30x180x6,5	1+1 684
APN L1265	 Gradino Elle 30x120x6,5	01 676
APN LA12	 Angolo Elle SX/DX 30x120x6,5	1+1 678
APN L1065	 Gradino Elle 30x100x6,5	01 674
APN LA10	 Angolo Elle SX/DX 30x100x6,5	1+1 676
APN L9065	 Gradino Elle 30x90x6,5	02 664
APN LA90	 Angolo Elle SX/DX 30x90x6,5	1+1 667

CODICE GENERICO	DESCRIZIONE	FP
APN T180	 Toro Gradino 30x180	01 667
APN TA18	 Toro Angolo SX/DX 30x180	1+1 674
APN T120	 Toro Gradino 30x120	01 656
APN TA12	 Toro Angolo SX/DX 30x120	1+1 665
APN T102	 Toro Gradino 32x100	01 650
APN TA10	 Toro Angolo SX/DX 32x100	1+1 664
APN T900	 Toro Gradino 30x90	02 640
APN TA90	 Toro Angolo SX/DX 30x90	1+1 662
	 3/5 RIGHE ANTIDERAPANT € 10,00 / PCS	
APN R101	 Gradino Costa Retta 32x100	01 664
APN RA101	 Angolo Arrotondato Costa Retta 100x100	01 681
APN TA101	 Angolo Arrotondato Toro 100x100	01 685
APN G260	 Griglia 20x60	02 590
APN G250	 Griglia 20x50	02 590
APN G245	 Griglia 20x45	02 590
APN GA260	 Griglia Angolo SX/DX 20x60	1+1 610
APN GA250	 Griglia Angolo SX/DX 20x50	1+1 610
APN GA245	 Griglia Angolo SX/DX 20x45	1+1 610

Technical features

The International reference standards: ISO - ASTM NATURALE

Characteristics and Test methods	Requirements EN 14411 ⁽¹⁾ - G / ISO 13006 ⁽²⁾ - G	Our general values
Determination of water absorption - (ISO 10545-3)	Average value E _s ≤ 0.5 % / Individual maximum 0.8%	≤ 0.05 % Average value E _s ≤ 0.05 % B _s = Porcelain tiles
Classification	Definition § 3.2 and § 3.7	Physical properties
Modulus of rupture - (ISO 10545-4)	Average ≥ 35 N/mm ²	≥ 35 N/mm ²
Breaking strength - (ISO 10545-4)	Average ≥ 1300 N for thickness ≥ 7.5 mm Average ≥ 700 N for thickness < 7.5 mm	Complies
Resistance to deep abrasion - (ISO 10545-6)	Max volume abraded ≤ 175 mm ³	< 175 mm ³
Resistance to surface abrasion - (ISO 10545-7)	Abrasion class and cycles passed	Class 0 - 5
Recommended use	Novabell criterion	Class 5 (see Annex N - ISO 13006 / EN 14411)
Coefficient of linear thermal expansion - (ISO 10545-8)	Declared value ⁽¹⁾ / Test method available ⁽²⁾	< 7.1 x 10 ⁻⁶ °C ⁻¹
Thermal shock resistance - (ISO 10545-9)	Pass according to EN ISO 10545-11 / Test method available ⁽²⁾	Complies
Cracking resistance - (ISO 10545-11)	Pass according to EN ISO 10545-11 / Required ⁽²⁾	Complies
Frost resistance - (ISO 10545-12)	Pass according to EN ISO 10545-11 / Required ⁽²⁾	Complies
Moisture expansion - (ISO 10545-10)	Declared value ⁽¹⁾ / Test method available ⁽²⁾	≤
Small colour differences - (ISO 10545-16)	ΔE _{uv} < 0.25 ⁽¹⁾	≤
Impact resistance - (ISO 10545-5)	Declared value ⁽¹⁾ / Test method available ⁽²⁾	C
Reaction to fire	Class A1 or A1 ⁽¹⁾	A1 ⁽¹⁾ , Class 0 ⁽¹⁾
Mohs hardness scale - (ex EN 101 / BS 6431-13)	-	-
Chemical resistance - (GL) (ISO 10545-13)	Declared value ⁽¹⁾ / Manufacturer is to state classification ⁽¹⁾	Resistant ⁽¹⁾
• Resistance to low and high concentrations of acids and alkalis • Resistance to household chemicals and swimming pool salts	Minimum class B	Resistant ⁽¹⁾
Resistance to staining - (ISO 10545-14)	Minimum class 3	See table Pb < 0.1
Release of dangerous substances - (ISO 10545-15)	Declared value ⁽¹⁾ / Test method available ⁽²⁾	Dimensions
Dimensions - (ISO 10545-9)	See ANNEX G	Dimensions
Surface quality - (ISO 10545-2 § 7)	A minimum of 95% of the tiles shall be free from visible defects that would impair the appearance of a major area of tiles	Slip
Determination of anti-slip properties - Workrooms and fields of activities with raised slip danger, walking method - Ramp test (DIN 51130) - Germany	BGR / ASR	From R9 to R13
Determination of anti-slip properties - Wet-loaded barefoot areas - Walking method - Ramp test (DIN 51067) - Germany	GLV/18527	A-B-C
Dynamic Coefficient Friction wet and dry condition (BCR - ex BCRA) Italy	DM n. 236 / 1989	μ > 0.40

(1) Requirements according to EN 14411 (2) Requirements according to ISO 13006

The International reference standards: ANSI - ASTM NATURALE

Characteristics and Test methods	Requirements ANSI A 137.1	Our general values
Determination of water absorption - (ASTM C 373)	Average value E _s ≤ 0.5 %	Average value E _s ≤ 0.05 % Porcelain tiles
Classification	Definition § 3.0	Physical properties
Breaking strength - (ASTM C 648)	Average ≥ 250 lbf (1.11 kN) Individual ≥ 225 lbf (1.00 kN)	Complies
Visible abrasion - (ASTM C 902)	As reported	Class 0 - 5
Recommended use	Novabell criterion (see Annex N - ISO 13006 / EN 14411)	Class 5
Thermal shock resistance - (ASTM C 428)	Pass	Complies
Cracking resistance - (ASTM C 424)	Pass	Complies
Resistance to freeze/thaw cycling - (ASTM C 1020)	As reported	Resistant
Bond strength - (ASTM C 482)	≥ 50 psi (0.34 MPa)	> 1 MPa
Color Uniformity - (ASTM C 909 and ANSI A 137.1 Section 9.3) (1)	V0 - 3 Judts	See the specific section
Mohs hardness scale - (ex EN 101 / BS 6431-13)	-	≥ 5
Chemical resistance - (ASTM C 650)	As reported	Resistant
Stain resistance - (ASTM C 1378)	As reported	Resistant
Dimensions - (ASTM C 499) - (ASTM C 485) - (ASTM C 502)	See ANSI A 137.1 - Tab. 10	Dimensions - Calibrated tiles
Dimensions - (ASTM C 499) - (ASTM C 485) - (ASTM C 502)	See ANSI A 137.1 - Tab. 10	Dimensions - Rectified tiles
DCOF Resistance (ANSI A 137.1 Section 9.8)	≥ 0.42 (1)	Slipperiness

(1) For level interior spaces expected to be walked upon when wet. (2) For V0 tiles only

LEED® CERTIFICATION COMPLIANT

LEED (LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN).

ASPEN IS A PRODUCT WITH PARTICULAR ENVIRONMENTAL SUSTAINABILITY CHARACTERISTICS, THAT HELPS IN OBTAINING POINTS FOR LEED (LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN) CERTIFICATION.



Packaging and weights

SIZE	BOX			PALLET			thickness
	pz	m ²	kg	box	m ²	kg	
100x100	2	2,000	40,4 	20	40,000	808	9
60x120	2	1,440	29,9 	32	46,080	957	9
60x60	3	1,080	21,5	40	43,200	860	9
30x60	7	1,260	24,4	40	50,400	977	9
30x60 Struttura	6	1,080	20,9	40	43,200	838	9
10x30	28	0,840	18,2	56	47,040	1019	9
60x180	1	1,080	46,6 	22	23,760	1025	20
60x120	1	0,720	31,5 	32	23,040	1008	20
60x90	1	0,540	23,3	48	25,920	1118	20
100x100	1	1,000	43,3 	21	21,000	909	20
Modulo 3 formati	1 cp.	1,620	71,7	14 cp.	22,680	1004	20
60x60 STONECREEK 	2	0,720	31,4 	32	23,040	1005	20
80x80	1	0,640	45,2 	24	15,360	1085	30
40x80	2	0,640	45,2 	24	15,360	1085	30
60x60	2	0,720	49,3 	22	15,840	1085	30



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