

ASPEN  
— expressive surfaces

Made in Italy



NovaBell





## EXPRESSIVE SURFACE

Aspen è un inedito gres porcellanato effetto pietra che nasce dalla selezione di superfici naturali eterogenee che hanno un denominatore comune, l'eleganza materica.

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

Aspen est un grès cérame inédit effet pierre issu de la sélection de surfaces naturelles hétérogènes ayant un dénominateur commun, l'élégance matérielle.

Aspen ist ein neues Feinsteinzeug mit Natursteinoptik, das aus der Auswahl heterogener natürlicher Oberflächen entsteht, welche sich durch folgenden gemeinsamen Nenner auszeichnen: materialbetonte Eleganz.



# COLOURS & SHAPES







FLOOR: Sand Moon Rettificato 100x100 - 39<sup>3/8</sup>x39<sup>3/8</sup>

## 100x100 cm, THE AMAZING SIZE THAT DRAWS CONTINUITY.

Le competenze e gli investimenti tecnologici NovaBell danno vita a superfici sempre più duttili e performanti. Gli incredibili formati 100x100 cm conferiscono continuità visiva impareggiabile, ampiezza degli spazi e armoniosa distribuzione di grafica, sfumature e dettagli materici.

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, la taille étonnante qui dessine la continuité. Les compétences et les investissements technologiques de NovaBell donnent vie à des surfaces de plus en plus ductiles et performantes. Les incroyables formats 100x100cm offrent une continuité visuelle inégalée, vastité des espaces et une répartition graphique harmonieuse, des nuances et profondeurs des matières.

100x100 cm: ein großzügiges Format für durchgängige Flächengestaltungen. Dank der Kompetenzen und Technologieinvestitionen von NovaBell entstehen immer vielseitiger einsetzbare und leistungsfähigere Fliesen. Das Großformat 100x100 cm sorgt für durchgängige Flächenbilder, ein großzügiges Raumgefühl und ein harmonisches Zusammenspiel von Strukturen, Nuancen und Materialdetails



# COORDINATED SURFACE

Aspen rappresenta una gamma di superfici completa e coordinata, dal gres porcellanato per interno-esterno fino a tutti i pezzi speciali per completare ogni angolo progettuale.

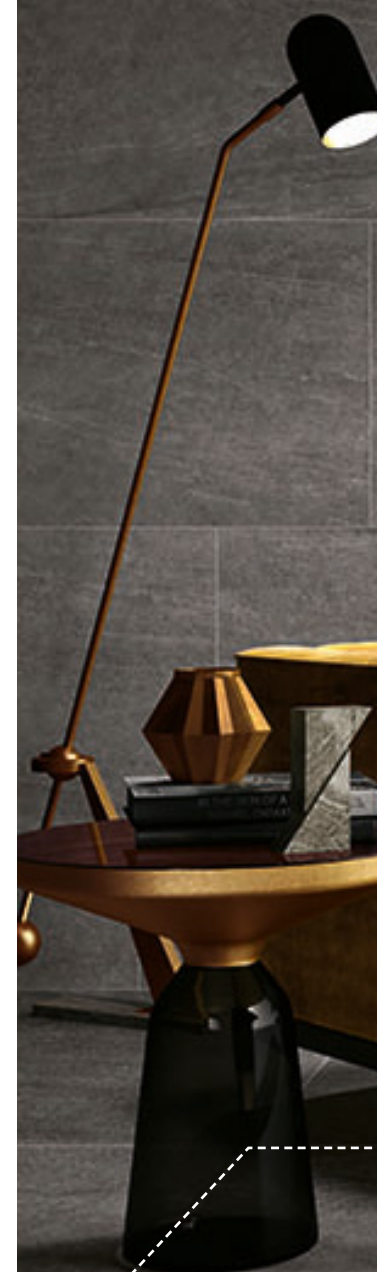
Aspen is a complete and coordinated range of surfaces, from porcelain stoneware for inside and outside use to special trims for completing every corner of a project.



Aspen représente une gamme complète et coordonnée de surfaces, allant du gres cérame pour intérieur-extérieur à toutes les pièces spéciales pour compléter tous les angles du projet.

Aspen steht für eine Serie kompletter und koordinierter Feinsteinzeug-Oberflächen zur Verlegung in Innen- und Außenbereichen; die Serie wird durch alle erdenklichen, für jede Ecke passenden Formteile ergänzt.

WALL: Basalt Rettificato 60x120 - 23<sup>5/8</sup>x47<sup>1/4</sup> / Basalt Rettificato 60x60 - 23<sup>5/8</sup>x23<sup>5/8</sup>  
 Basalt Rettificato 30x60 - 11<sup>13/16</sup>x23<sup>5/8</sup>  
 FLOOR: Basalt Rettificato 100x100 - 39<sup>3/8</sup>x39<sup>3/8</sup>







FLOOR: Provenzale Rock Grey Rettificato 30x60 - 11<sup>m</sup>13/16x23<sup>m</sup>5/8

## ELEGANT SHAPE

Provenzale è il modulo che rievoca forme eleganti e senza tempo. La sua forma decorativa accoglie le texture raffinate di Aspen, riflettendo su pavimenti e pareti un carattere unico.

Provenzale is a module that evokes elegant, timeless shapes. Its decorative shape embraces the sophisticated textures of Aspen, imbuing floors and walls with a unique character.



Provenzale est le module qui réévoque des formes élégantes et intemporelles. Sa forme décorative accueille les textures raffinées d'Aspen, reflétant un caractère unique sur les revêtements des sols et les murs.

Provenzale ist ein Modul, das elegante und zeitlose Formen vermittelt. Seine dekorative Gestaltung spiegelt die raffinierten Texturen von Aspen wider und verleiht Boden- und Wandbelägen einen einzigartigen Charakter.





WALL: Struttura Grooves Sand Moon Rettificato 60x120 - 23<sup>5/8</sup>x47<sup>1/4</sup> / Forge Metal Bronzo Rettificato 60x120 - 23<sup>5/8</sup>x47<sup>1/4</sup>  
FLOOR: Sand Moon Rettificato 100x100 - 39<sup>3/8</sup>x39<sup>3/8</sup>





100x100 cm, the amazing size  
that draws continuity.







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





I pezzi speciali Aspen sono cromaticamente perfetti fino ai bordi.  
Aspen special trims are chromatically perfect right up to the edges.  
Les pièces spéciales Aspen sont chromatiquement parfaites jusqu'aux bords.  
Die farbliche Perfektion der Aspen Formteile schließt auch die Ränder ein.





Elemento Elle  
30x180x5

Toutes les pièces spéciales et les accessoires sont coordonnés avec les fonds. Ce processus génère une continuité esthétique maximale entre toutes les surfaces domestiques.

Alle Form- und Zubehörteile sind auf die Grundfliesen abgestimmt. Mit dieser Verarbeitung wird maximale ästhetische Kontinuität zwischen allen Oberflächen im Verlegeambiente gewährleistet.



Tutti i pezzi speciali e gli accessori sono coordinati ai fondi. Questa lavorazione genera massima continuità estetica tra tutte le superfici domestiche.

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<sup>5/8</sup> x 23<sup>5/8</sup> / Rock Grey 20 mm Rettificato 60x90 - 23<sup>5/8</sup> x 35<sup>7/16</sup>

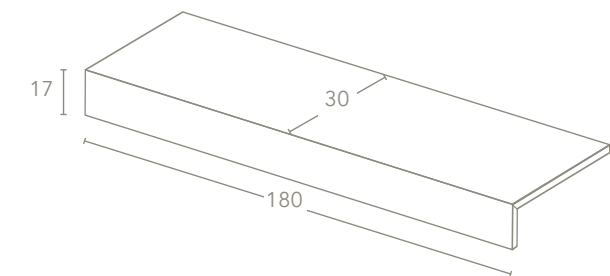




## SPECIAL BEAUTY

NovaBell progetta elementi ceramici capaci di modellarsi con estrema precisione ad ogni scala. Le dimensioni sono perfezionate in ogni dettaglio per facilitare la messa in opera sul massetto, creano un total look impeccabile e sono inattaccabili.

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.



NovaBell conçoit des éléments céramiques capables de se modeler avec une extrême précision à toutes les échelles. Les dimensions sont étudiées dans les moindres détails pour faciliter la pose sur la chape. Les éléments créent un look total impeccable et sont hautement résistants.

NovaBell entwickelt Keramikelemente, die sich mit höchster Präzision jedem Projektbedarf anpassen lassen. Die Abmessungen sind in jedem Detail perfektioniert, um die Verlegung auf Estrich zu erleichtern. Die Elemente kreieren einen tadellosen „Total Look“ und sind hoch widerstandsfähig.







WALL: Snow Rettificato 30x60 - 11<sup>m</sup>13<sup>m</sup>16<sup>m</sup>x23<sup>m</sup>5<sup>m</sup>8 / Struttura Grooves Oxide Rettificato 30x60 - 11<sup>m</sup>13<sup>m</sup>16<sup>m</sup>x23<sup>m</sup>5<sup>m</sup>8  
FLOOR: Snow Rettificato 60x60 - 23<sup>m</sup>5<sup>m</sup>6<sup>m</sup>x23<sup>m</sup>5<sup>m</sup>8





## GROOVES 3D SURFACE

Grooves è la struttura tridimensionale che arricchisce il progetto con la sua superficie materica e naturale.

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



Grooves est la structure tridimensionnelle qui enrichit le projet avec sa surface matériqne et naturelle.

Grooves ist eine dreidimensionale Struktur, die Projekte mit ihrer materialbetonten und natürlichen Oberfläche bereichert.





OUT WALK 20 Porcelain slabs

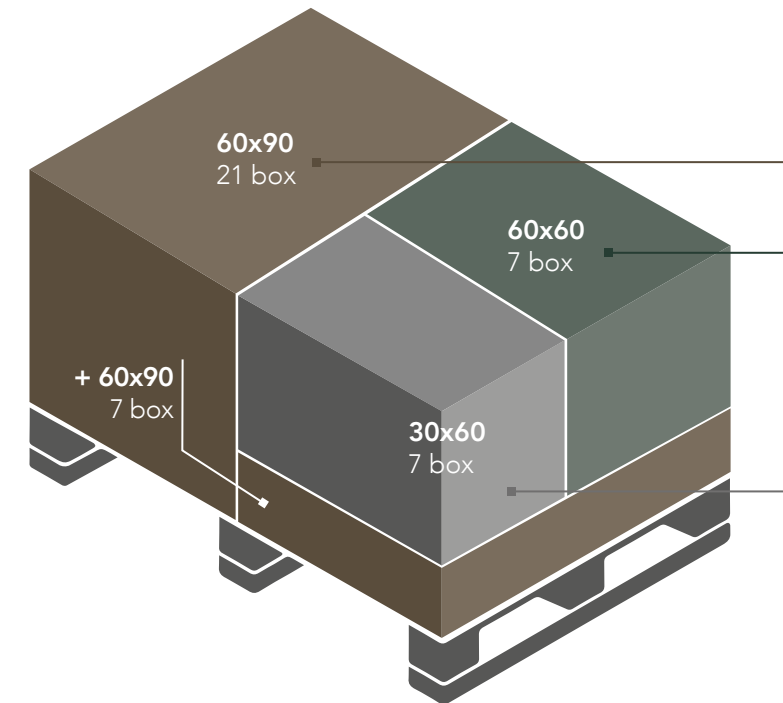
WALL: Snow 20 mm Rettificato 60x90 - 23<sup>5/8</sup>x35<sup>7/16</sup> / Copertina 30x60 - 11<sup>13/16</sup>x23<sup>5/8</sup>  
 FLOOR: MULTIFORMATO 2 Modulo 3 Formati Snow 20 mm Rettificato







# MULTIFORMATO 1 & 2



<b>60x90</b> 23 <sup>5/8</sup> x 35 <sup>7/16</sup> 1 pcs/box	<b>60x60</b> 23 <sup>5/8</sup> x 23 <sup>5/8</sup> 2 pcs/box
	<b>30x60</b> 11 <sup>13/16</sup> x 23 <sup>5/8</sup> 2 pcs/box

60x90 → 66,67%  
 60x60 → 22,22%  
 30x60 → 11,11%

NovaBell si impegna costantemente nel servizio e assistenza al cliente. Per gli articoli MULTIFORMATO, le proporzioni di posa, sono state calcolate e organizzate in pallet pronti all'uso. Questo servizio regala velocità di installazione e risparmio di tempo.

NovaBell provides constant customer service and assistance. For MULTIPLE-SIZE modules, the installation proportions are calculated and organized in ready-to-use pallets. This service speeds up the installation process and saves time.

NovaBell est constamment engagée au service et l'assistance de la clientèle. Pour les articles MULTIFORMAT, les proportions de pose ont été calculées et organisées en palettes prêtes à l'emploi. Ce service permet rapidité d'installation et gain de temps.

NovaBell steht konstant im Dienst des Kunden und bietet in diesem Sinn entsprechende Leistungen. Hinsichtlich der MEHRFORMATIGEN Artikel werden die Verlegeproportionen passend berechnet und auf verarbeitungsfertigen Paletten organisiert. Dieser Service gewährleistet eine rasche Verlegung und Zeitersparnis.







ITEMS









cm. 100x100  
inch. 39<sup>3</sup>/<sub>8</sub>x39<sup>3</sup>/<sub>8</sub>

cm. 60x120  
inch. 23<sup>5</sup>/<sub>8</sub>x47<sup>1</sup>/<sub>4</sub>

cm. 60x60  
inch. 23<sup>5</sup>/<sub>8</sub>x23<sup>5</sup>/<sub>8</sub>

cm. 30x60  
inch. 11<sup>13</sup>/<sub>16</sub>x23<sup>5</sup>/<sub>8</sub>

cm. 10x30  
inch. 3<sup>15</sup>/<sub>16</sub>x11<sup>13</sup>/<sub>16</sub>



60x120 - 23<sup>5</sup>/<sub>8</sub>x47<sup>1</sup>/<sub>4</sub>  
APN 12RT Rock Grey Rettificato

02  
1075



60x60 - 23<sup>5</sup>/<sub>8</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 10RT Rock Grey Rettificato

03  
1065



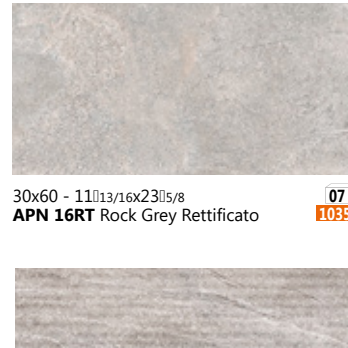
60x60 - 23<sup>5</sup>/<sub>8</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 17AS Rock Grey Antislip Rett.

03  
1070



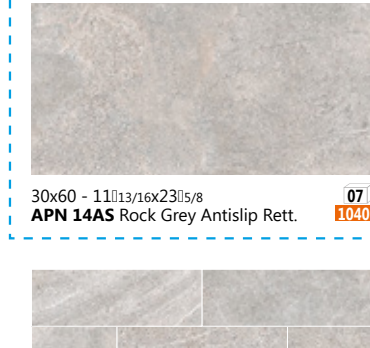
60x120 - 23<sup>5</sup>/<sub>8</sub>x47<sup>1</sup>/<sub>4</sub>  
APN 15RT Struttura Grooves Rock Grey Rettificato

02  
1085



30x60 - 11<sup>13</sup>/<sub>16</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 16RT Rock Grey Rettificato

07  
1035



30x60 - 11<sup>13</sup>/<sub>16</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 14AS Rock Grey Antislip Rett.

07  
1040



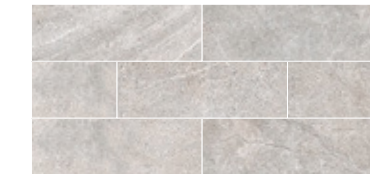
60x120 - 23<sup>5</sup>/<sub>8</sub>x47<sup>1</sup>/<sub>4</sub>  
APN 15RT Struttura Grooves Rock Grey Rettificato

02  
1085



30x60 - 11<sup>13</sup>/<sub>16</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 13RT Struttura Grooves  
Rock Grey Rettificato

06  
1045



10x30 - 3<sup>15</sup>/<sub>16</sub>x11<sup>13</sup>/<sub>16</sub>  
APN 11RT Muretto Rock Grey Rett.

28  
1070



30x60 - 11<sup>13</sup>/<sub>16</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 01RT Provenzale Rock Grey Rett.

06  
1150

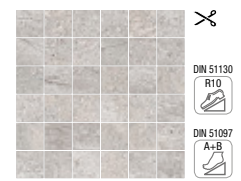


30x60 - 11<sup>13</sup>/<sub>16</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 117N Mattoncino Rock Grey

04  
3120

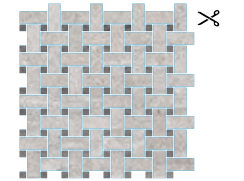
NEW SIZES 100x100 - 39<sup>3</sup>/<sub>8</sub>x39<sup>3</sup>/<sub>8</sub>  
APN 101R Rock Grey Rettificato

02  
1090



30x30 - 11<sup>13</sup>/<sub>16</sub>x11<sup>13</sup>/<sub>16</sub>  
APN 115N Mos. 5x5  
Rock Grey

10  
3115



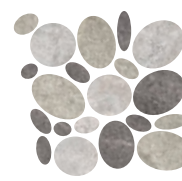
30x30 - 11<sup>13</sup>/<sub>16</sub>x11<sup>13</sup>/<sub>16</sub>  
APN 118N Trama  
Rock Grey/Basalt

10  
3145



30x30 - 11<sup>13</sup>/<sub>16</sub>x11<sup>13</sup>/<sub>16</sub>  
APN 116N Sassi  
Rock Grey

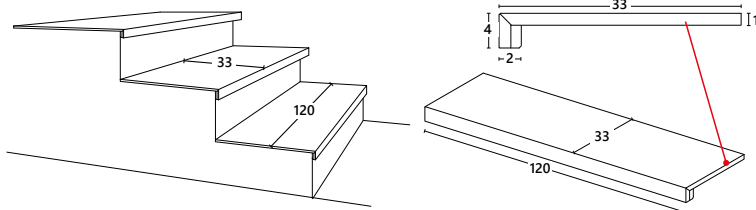
10  
3170



30x30 - 11<sup>13</sup>/<sub>16</sub>x11<sup>13</sup>/<sub>16</sub>  
APN 721N Sassi Mix  
Scuro

10  
3170

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



10  
MM

Battiscopa 7x60 21 <sup>3</sup> / <sub>4</sub> x42 <sup>3</sup> / <sub>5</sub>	Gradino Elle Rett. 33x120x4 13 <sup>1</sup> / <sub>4</sub> x47 <sup>1</sup> / <sub>4</sub> x11 <sup>13</sup> / <sub>16</sub>	Angolo DX Rett. 33x120x4 13 <sup>1</sup> / <sub>4</sub> x47 <sup>1</sup> / <sub>4</sub> x11 <sup>13</sup> / <sub>16</sub>	Angolo SX Rett. 33x120x4 13 <sup>1</sup> / <sub>4</sub> x47 <sup>1</sup> / <sub>4</sub> x11 <sup>13</sup> / <sub>16</sub>
APN B10K	APN G11K	APN G12K	APN G13K

6 SETTIMANE DI CONSEGNA / DELIVERY WEEKS /  
SECHS WOCHEN LIEFERZEIT / SEMAINES DE LIVRAISON



cm. 60x180  
inch. 23<sup>5</sup>/<sub>8</sub>x70<sup>7</sup>/<sub>8</sub>

cm. 60x90  
inch. 23<sup>5</sup>/<sub>8</sub>x35<sup>7</sup>/<sub>16</sub>

cm. 60x120  
inch. 23<sup>5</sup>/<sub>8</sub>x47<sup>1</sup>/<sub>4</sub>



60x180 - 23<sup>5</sup>/<sub>8</sub>x70<sup>7</sup>/<sub>8</sub>  
APN 118R Rock Grey 20 MM Rettificato

01  
1130



60x120 - 23<sup>5</sup>/<sub>8</sub>x47<sup>1</sup>/<sub>4</sub>  
APN 19RT Rock Grey 20 MM Rettificato

01  
1135



60x90 - 23<sup>5</sup>/<sub>8</sub>x35<sup>7</sup>/<sub>16</sub>  
APN 169R Rock Grey 20 MM Rettificato

01  
1120

TECHNICAL	DIN 51130	DIN 51097	BCR	ANSI DCOF	Deep Abrasion Resistance	MOHS	Recommended Use	Resistance to Staining	ANSI A 137.1
NATURAL	R10	A+B	DRY > 0.40 WET > 0.40	WET ≥ 0.42	< 175 mm <sup>3</sup>	≥ 5	4	5	
ANTISLIP	R11	A+B+C	DRY > 0.40 WET > 0.40	WET ≥ 0.42	< 175 mm <sup>3</sup>	≥ 7	5	5	V3
OUT WALK 20 MM	R11	A+B+C	DRY > 0.40 WET > 0.40	WET ≥ 0.42	< 130 mm <sup>3</sup>	≥ 8	5	5	



### MULTIFORMATO

VENDUTO SOLO A PALLET COMPLETO  
SOLD IN FULL PALLETS ONLY  
NUR IN VOLLE PALETTEN ERHAELTICH  
VENDU UNIQUEMENT PAR PALETTE ENTIERE



MULTIFORMATO 2



MULTIFORMATO 1

MULTIFORMATO  
APN M133 Modulo 3 Formati  
Rock Grey 20 MM Rettificato

20  
MM

PEZZI SPECIALI ON DEMAND 20MM\* Special coordinated pieces. Zusammenstellbare Formteile. Pièces spéciales coordonnées.

Gradino 1 Monografico 33x180	Gradino 2 Monografico 33x180	Gradino 3 Monografico 33x180	Toro Gradino 30x120	Bordo Rett. Antiderapant 30x60	Bordo Ang. SX Rett. 30x60	Bordo Ang. DX Rett. 30x60	Griglia Rettificata 20x60	Griglia Ang. SX Rett. 20x60	Griglia Ang. DX Rett. 20x60	Elemento Elle 30x180x5	Gradino L17 30x180x17	Copertina 30x60
01 683	01 684	01 685	02 656	02 560	02 650	02 650	02 590	02 610	02 610	02 683	01 685	02 518
APN G183	APN G184	APN G185	APN G13K	APN W11K	APN W12K	APN W14K	APN W15K	APN W16K	APN W17K	APN G189	APN G117	APN G160

6 SETTIMANE DI CONSEGNA / DELIVERY WEEKS / SECHS WOCHEN LIEFERZEIT / SEMAINES DE LIVRAISON

OUT WALK TECHNICAL DATA 20 MM		Water Absorption	DIN 51130	DIN 51097	BS 7976 Pendulum Tester Average Values	MOHS	Modulus of Rupture	Breaking Strength (for square slabs)	Compressive Strength
Resistance to Staining	Resistance to household chemicals and swimming pool salts	≤ 0,03%	R11	A+B+C	wet ≥ 50 dry ≥ 55	≥ 8	≥ 50 N/mm <sup>2</sup>	≥ 12.000 N	≥ 200 N/mm <sup>2</sup>
5	A	Frost Resistance	Thermal Shock	Color Resistance UV Light		Reaction to Fire	≥ 500 kg/cm <sup>2</sup>	≥ 1.200 kg	≥ 2.000 kg/cm <sup>2</sup>
		Complies	Resistant	Resistant		A1FL	≥ 7,500 psi	≥ 2,700 lbs	≥ 29,000 psi









cm. 100x100  
inch. 39<sup>3</sup>/<sub>8</sub>x39<sup>3</sup>/<sub>8</sub>

cm. 60x120  
inch. 23<sup>5</sup>/<sub>8</sub>x47<sup>1</sup>/<sub>4</sub>

cm. 60x60  
inch. 23<sup>5</sup>/<sub>8</sub>x23<sup>5</sup>/<sub>8</sub>

cm. 30x60  
inch. 11<sup>13</sup>/<sub>16</sub>x23<sup>5</sup>/<sub>8</sub>

cm. 10x30  
inch. 3<sup>15</sup>/<sub>16</sub>x11<sup>13</sup>/<sub>16</sub>



60x120 - 23<sup>5</sup>/<sub>8</sub>x47<sup>1</sup>/<sub>4</sub>  
APN 72RT Oxide Rettificato

02  
1075



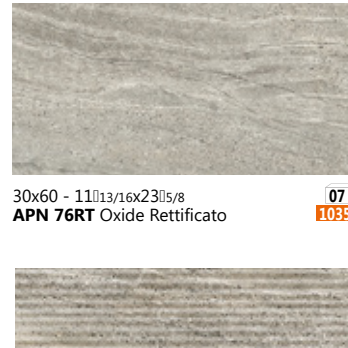
60x60 - 23<sup>5</sup>/<sub>8</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 70RT Oxide Rettificato

03  
1065



60x120 - 23<sup>5</sup>/<sub>8</sub>x47<sup>1</sup>/<sub>4</sub>  
APN 75RT Struttura Grooves Oxide Rettificato

02  
1085



30x60 - 11<sup>13</sup>/<sub>16</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 76RT Oxide Rettificato

07  
1035



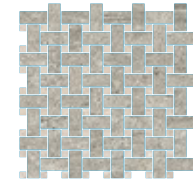
100x100 - 39<sup>3</sup>/<sub>8</sub>x39<sup>3</sup>/<sub>8</sub>  
APN 107R Oxide Rettificato

02  
1090



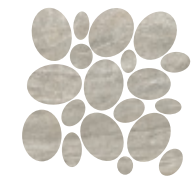
30x30 - 11<sup>13</sup>/<sub>16</sub>x11<sup>13</sup>/<sub>16</sub>  
APN 775N Mos. 5x5 Oxide

10  
3115



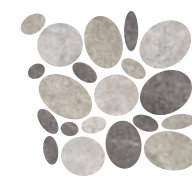
30x30 - 11<sup>13</sup>/<sub>16</sub>x11<sup>13</sup>/<sub>16</sub>  
APN 778N Trama Oxide/Sand Moon

10  
3145



30x30 - 11<sup>13</sup>/<sub>16</sub>x11<sup>13</sup>/<sub>16</sub>  
APN 776N Sassi Oxide

10  
3170



30x30 - 11<sup>13</sup>/<sub>16</sub>x11<sup>13</sup>/<sub>16</sub>  
APN 721N Sassi Mix Scuro

10  
3170



30x60 - 11<sup>13</sup>/<sub>16</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 07RT Provenzale Oxide Rett.

06  
1150



10x30 - 3<sup>15</sup>/<sub>16</sub>x11<sup>13</sup>/<sub>16</sub>  
APN 71RT Muretto Oxide Rettificato

28  
1070



30x60 - 11<sup>13</sup>/<sub>16</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 777N Mattoncino Oxide

04  
3120

NEW SIZES



cm. 60x180  
inch. 23<sup>5</sup>/<sub>8</sub>x70<sup>7</sup>/<sub>8</sub>

cm. 60x90  
inch. 23<sup>5</sup>/<sub>8</sub>x35<sup>7</sup>/<sub>16</sub>

cm. 60x120  
inch. 23<sup>5</sup>/<sub>8</sub>x47<sup>1</sup>/<sub>4</sub>



60x180 - 23<sup>5</sup>/<sub>8</sub>x70<sup>7</sup>/<sub>8</sub>  
APN 718R Oxide 20 MM Rettificato

01  
1130



60x120 - 23<sup>5</sup>/<sub>8</sub>x47<sup>1</sup>/<sub>4</sub>  
APN 79RT Oxide 20 MM Rettificato

01  
1125



60x90 - 23<sup>5</sup>/<sub>8</sub>x35<sup>7</sup>/<sub>16</sub>  
APN 769R Oxide 20 MM Rettificato

01  
1120

TECHNICAL	DIN 51130	DIN 51097	BCR	ANSI DCOF	Deep Abrasion Resistance	MOHS	Recommended Use	Resistance to Staining	ANSI A 137.1
NATURAL	R10	A+B	DRY > 0.40 WET > 0.40	WET ≥ 0.42	< 175 mm <sup>3</sup>	≥ 5	4	5	
OUT WALK 20 MM	R11	A+B+C	DRY > 0.40 WET > 0.40	WET ≥ 0.42	< 130 mm <sup>3</sup>	≥ 8	5	5	V3



### MULTIFORMATO

VENDUTO SOLO A PALLET COMPLETO  
SOLD IN FULL PALLETS ONLY  
NUR IN VOLLE PALETTEN ERHAELTICH  
VENDU UNIQUEMENT PAR PALETTE ENTIERE

60x90 - 23<sup>5</sup>/<sub>8</sub>x35<sup>7</sup>/<sub>16</sub>  
60x60 - 23<sup>5</sup>/<sub>8</sub>x23<sup>5</sup>/<sub>8</sub>  
30x60 - 11<sup>13</sup>/<sub>16</sub>x23<sup>5</sup>/<sub>8</sub>



MULTIFORMATO 2



MULTIFORMATO 1

MULTIFORMATO APN M733 Modulo 3 Formati Oxide 20 MM Rettificato

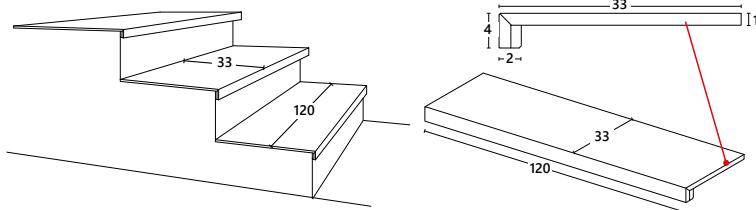


PEZZI SPECIALI ON DEMAND 20MM\* Special coordinated pieces. Zusammenstellbare Formteile. Pièces spéciales coordonnées.

Gradino 1 Monografico 33x180	Gradino 2 Monografico 33x180	Gradino 3 Monografico 33x180	Toro Gradino 30x120	Bordo Rett. Antiderapant 30x60	Bordo Ang. SX Rett. 30x60	Bordo Ang. DX Rett. 30x60	Griglia Rettificata 20x60	Griglia Ang. SX Rett. 20x60	Griglia Ang. DX Rett. 20x60	Elemento Elle 30x180x5	Gradino L17 30x180x17
01   683	01   684	01   685	02   656	02   560	02   650	02   650	02   590	02   610	02   610	02   683	01   685
APN G783	APN G784	APN G785	APN G73K	APN W71K	APN W72K	APN W74K	APN W75K	APN W76K	APN W77K	APN G789	APN G717

\* 6 SETTIMANE DI CONSEGNA / DELIVERY WEEKS / SECHS WOCHEN LIEFERZEIT / SEMAINES DE LIVRAISON

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



Battiscopa 7x60 21 <sup>3</sup> / <sub>4</sub> x42 <sup>3</sup> / <sub>5</sub> x5 <sup>8</sup>	Gradino Elle Rett. 33x120x4 13 <sup>1</sup> / <sub>4</sub> x47 <sup>1</sup> / <sub>16</sub> x41 <sup>9</sup> / <sub>16</sub>	Angolo DX Rett. 33x120x4 13 <sup>1</sup> / <sub>4</sub> x47 <sup>1</sup> / <sub>16</sub> x41 <sup>9</sup> / <sub>16</sub>	Angolo SX Rett. 33x120x4 13 <sup>1</sup> / <sub>4</sub> x47 <sup>1</sup> / <sub>16</sub> x41 <sup>9</sup> / <sub>16</sub>
APN B70K	APN G71K	APN G72K	APN G73K

\* 6 SETTIMANE DI CONSEGNA / DELIVERY WEEKS / SECHS WOCHEN LIEFERZEIT / SEMAINES DE LIVRAISON

OUT WALK TECHNICAL DATA 20 MM		Water Absorption	DIN 51130	DIN 51097	BS 7976 Pendulum Tester Average Values	MOHS	Modulus of Rupture	Breaking Strength (for square slabs)	Compressive Strength
Resistance to Staining	Resistance to household chemicals and swimming pool salts	≤ 0,03%	R11	A+B+C	wet ≥ 50 dry ≥ 55	≥ 8	≥ 50 N/mm <sup>2</sup>	≥ 12.000 N	≥ 200 N/mm <sup>2</sup>
5	A	Frost Resistance	Thermal Shock	Color Resistance UV Light		Reaction to Fire	≥ 500 kg/cm <sup>2</sup>	≥ 1.200 kg	≥ 2.000 kg/cm <sup>2</sup>
		Complies	Resistant	Resistant		A1FL	≥ 7,500 psi	≥ 2,700 lbs	≥ 29,000 psi









cm. 100x100  
inch. 39<sup>3</sup>/<sub>8</sub>x39<sup>3</sup>/<sub>8</sub>

cm. 60x120  
inch. 23<sup>5</sup>/<sub>8</sub>x47<sup>1</sup>/<sub>4</sub>

cm. 60x60  
inch. 23<sup>5</sup>/<sub>8</sub>x23<sup>5</sup>/<sub>8</sub>

cm. 30x60  
inch. 11<sup>13</sup>/<sub>16</sub>x23<sup>5</sup>/<sub>8</sub>

cm. 10x30  
inch. 3<sup>15</sup>/<sub>16</sub>x11<sup>13</sup>/<sub>16</sub>



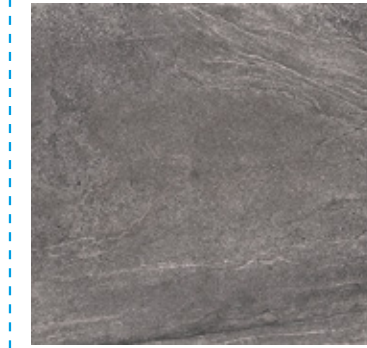
60x120 - 23<sup>5</sup>/<sub>8</sub>x47<sup>1</sup>/<sub>4</sub>  
APN 22RT Basalt Rettificato

02  
1075



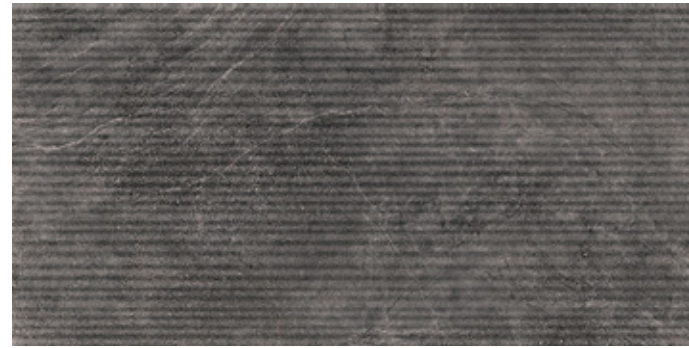
60x60 - 23<sup>5</sup>/<sub>8</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 20RT Basalt Rettificato

03  
1065



60x60 - 23<sup>5</sup>/<sub>8</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 27AS Basalt Antislip Rett.

03  
1070



60x120 - 23<sup>5</sup>/<sub>8</sub>x47<sup>1</sup>/<sub>4</sub>  
APN 25RT Struttura Grooves Basalt Rettificato

02  
1085



30x60 - 11<sup>13</sup>/<sub>16</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 26RT Basalt Rettificato

07  
1035



30x60 - 11<sup>13</sup>/<sub>16</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 24AS Basalt Antislip Rett.

07  
1040



30x60 - 11<sup>13</sup>/<sub>16</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 23RT Struttura Grooves Basalt Rettificato

06  
1045



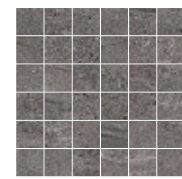
10x30 - 3<sup>15</sup>/<sub>16</sub>x11<sup>13</sup>/<sub>16</sub>  
APN 21RT Muretto Basalt Rettificato

28  
1070



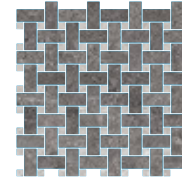
100x100 - 39<sup>3</sup>/<sub>8</sub>x39<sup>3</sup>/<sub>8</sub>  
APN 102R Basalt Rettificato

02  
1090



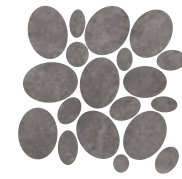
30x30 - 11<sup>13</sup>/<sub>16</sub>x11<sup>13</sup>/<sub>16</sub>  
APN 225N Mos. 5x5 Basalt

10  
8115



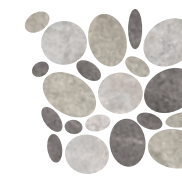
30x30 - 11<sup>13</sup>/<sub>16</sub>x11<sup>13</sup>/<sub>16</sub>  
APN 228N Trama Basalt/Rock Grey

10  
8145



30x30 - 11<sup>13</sup>/<sub>16</sub>x11<sup>13</sup>/<sub>16</sub>  
APN 226N Sassi Basalt

10  
8170

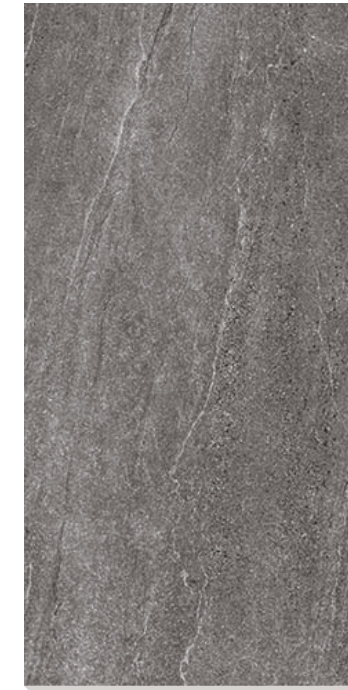


30x30 - 11<sup>13</sup>/<sub>16</sub>x11<sup>13</sup>/<sub>16</sub>  
APN 721N Sassi Mix Scuro

10  
8170



cm. 60x120  
inch. 23<sup>5</sup>/<sub>8</sub>x47<sup>1</sup>/<sub>4</sub>



60x120 - 23<sup>5</sup>/<sub>8</sub>x47<sup>1</sup>/<sub>4</sub>  
APN 29RT Basalt 20 MM Rettificato

01  
1125

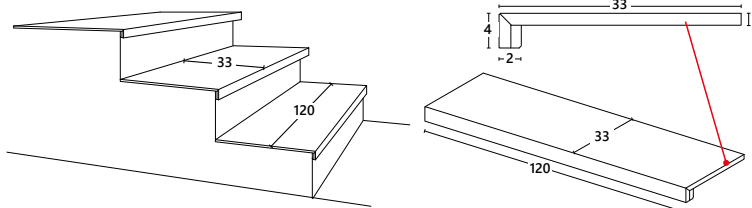


**PEZZI SPECIALI ON DEMAND 20MM\*** Special coordinated pieces. Zusammenstellbare Formteile. Pièces spéciales coordonnées.

Toro Gradino 30x120	Bordo Rett. Antiderapant 30x60	Bordo Ang. SX Rett. 30x60	Bordo Ang. DX Rett. 30x60	Griglia Rettificata 20x60	Griglia Ang. SX Rett. 20x60	Griglia Ang. DX Rett. 20x60
02   656	02   560	02   650	02   650	02   590	02   610	02   610
APN G23K	APN W21K	APN W22K	APN W24K	APN W25K	APN W26K	APN W27K

\* **6** SETTIMANE DI CONSEGNA / DELIVERY WEEKS / SECHS WOCHEN LIEFERZEIT / SEMAINES DE LIVRAISON

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



Battiscopa 7x60 20 <sup>3</sup> / <sub>4</sub> x23 <sup>5</sup> / <sub>8</sub>	Gradino Elle Rett. 33x120x4 13 <sup>1</sup> / <sub>2</sub> x47 <sup>1</sup> / <sub>4</sub> x11 <sup>13</sup> / <sub>16</sub>	Angolo DX Rett. 33x120x4 13 <sup>1</sup> / <sub>2</sub> x47 <sup>1</sup> / <sub>4</sub> x11 <sup>13</sup> / <sub>16</sub>	Angolo SX Rett. 33x120x4 13 <sup>1</sup> / <sub>2</sub> x47 <sup>1</sup> / <sub>4</sub> x11 <sup>13</sup> / <sub>16</sub>
15   230	01   670	01   676	01   676
APN B20K	APN G21K	APN G22K	APN G23K

\* **6** SETTIMANE DI CONSEGNA / DELIVERY WEEKS / SECHS WOCHEN LIEFERZEIT / SEMAINES DE LIVRAISON

TECHNICAL	DIN 51130	DIN 51097	BCR	ANSI DCOF	Deep Abrasion Resistance	MOHS	Recommended Use	Resistance to Staining	ANSI A 137.1
NATURAL	R10	A+B	DRY > 0.40 WET > 0.40	WET ≥ 0.42	< 175 mm <sup>3</sup>	≥ 5	4	5	
ANTISLIP	R11	A+B+C	DRY > 0.40 WET > 0.40	WET ≥ 0.42	< 175 mm <sup>3</sup>	≥ 7	5	5	V3
OUT WALK 20 MM	R11	A+B+C	DRY > 0.40 WET > 0.40	WET ≥ 0.42	< 130 mm <sup>3</sup>	≥ 8	5	5	











cm. 60x120  
inch. 23<sup>5</sup>/<sub>8</sub>x47<sup>1</sup>/<sub>4</sub>

cm. 60x60  
inch. 23<sup>5</sup>/<sub>8</sub>x23<sup>5</sup>/<sub>8</sub>

cm. 30x60  
inch. 11<sup>1</sup>/<sub>3</sub>x23<sup>5</sup>/<sub>8</sub>

cm. 10x30  
inch. 3<sup>1</sup>/<sub>5</sub>x11<sup>1</sup>/<sub>3</sub>



60x120 - 23<sup>5</sup>/<sub>8</sub>x47<sup>1</sup>/<sub>4</sub>  
APN 82RT Snow Rettificato

02  
1075



60x60 - 23<sup>5</sup>/<sub>8</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 80RT Snow Rettificato

03  
1065



60x120 - 23<sup>5</sup>/<sub>8</sub>x47<sup>1</sup>/<sub>4</sub>  
APN 85RT Struttura Grooves Snow Rettificato

02  
1085



30x60 - 11<sup>1</sup>/<sub>3</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 86RT Snow Rettificato

07  
1035



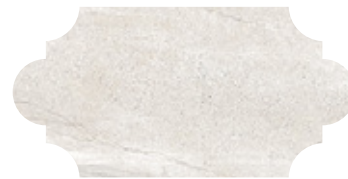
30x60 - 11<sup>1</sup>/<sub>3</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 83RT Struttura Grooves Snow Rettificato

06  
1045



10x30 - 3<sup>1</sup>/<sub>5</sub>x11<sup>1</sup>/<sub>3</sub>  
APN 81RT Muretto Snow Rettificato

28  
1070



30x60 - 11<sup>1</sup>/<sub>3</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 08RT Provenzale Snow Rett.

06  
1150



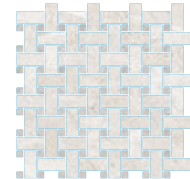
30x60 - 11<sup>1</sup>/<sub>3</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 887N Mattoncino Snow

04  
3120



30x30 - 11<sup>1</sup>/<sub>3</sub>x11<sup>1</sup>/<sub>3</sub>  
APN 885N Mos. 5x5 Snow

10  
3115



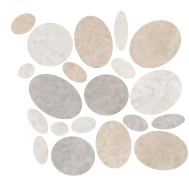
30x30 - 11<sup>1</sup>/<sub>3</sub>x11<sup>1</sup>/<sub>3</sub>  
APN 888N Trama Snow/Rock Grey

10  
3145



30x30 - 11<sup>1</sup>/<sub>3</sub>x11<sup>1</sup>/<sub>3</sub>  
APN 886N Sassi Snow

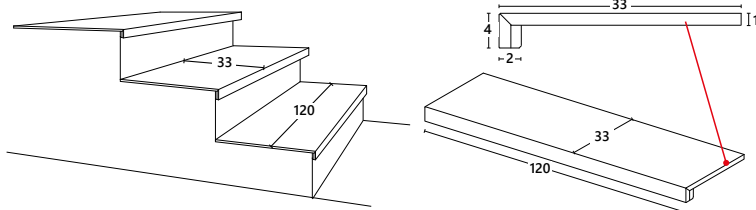
10  
3170



30x30 - 11<sup>1</sup>/<sub>3</sub>x11<sup>1</sup>/<sub>3</sub>  
APN 481N Sassi Mix Chiaro

10  
3170

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 21 <sup>3</sup> / <sub>4</sub> x23 <sup>5</sup> / <sub>8</sub>	Gradino Elle Rett. 33x120x4 131 <sup>1</sup> / <sub>2</sub> x47 <sup>1</sup> / <sub>16</sub> x11 <sup>1</sup> / <sub>9</sub>	Angolo DX Rett. 33x120x4 131 <sup>1</sup> / <sub>2</sub> x47 <sup>1</sup> / <sub>16</sub> x11 <sup>1</sup> / <sub>9</sub>	Angolo SX Rett. 33x120x4 131 <sup>1</sup> / <sub>2</sub> x47 <sup>1</sup> / <sub>16</sub> x11 <sup>1</sup> / <sub>9</sub>
APN B80K	APN G81K	APN G82K	APN G83K

\* 6 SETTIMANE DI CONSEGNA / DELIVERY WEEKS / SECHS WOCHEN LIEFERZEIT / SEMAINES DE LIVRAISON



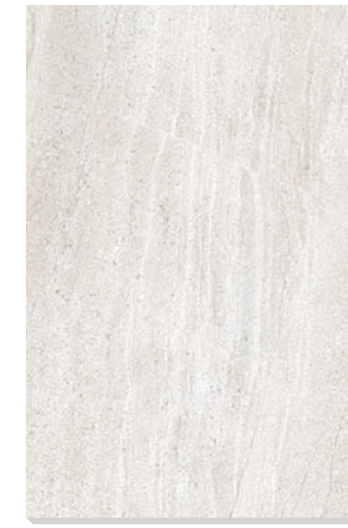
cm. 60x180  
inch. 23<sup>5</sup>/<sub>8</sub>x70<sup>7</sup>/<sub>8</sub>

cm. 60x90  
inch. 23<sup>5</sup>/<sub>8</sub>x35<sup>7</sup>/<sub>16</sub>



60x180 - 23<sup>5</sup>/<sub>8</sub>x70<sup>7</sup>/<sub>8</sub>  
APN 818R Snow 20 MM Rettificato

01  
1130



60x90 - 23<sup>5</sup>/<sub>8</sub>x35<sup>7</sup>/<sub>16</sub>  
APN 869R Snow 20 MM Rettificato

01  
1120

TECHNICAL	DIN 51130	DIN 51097	BCR	ANSI DCOF	Deep Abrasion Resistance	MOHS	Recommended Use	Resistance to Staining	ANSI A 137.1
NATURAL	R10	A+B	DRY > 0.40 WET > 0.40	WET ≥ 0.42	< 175 mm <sup>3</sup>	≥ 5	4	5	
OUT WALK 20 MM	R11	A+B+C	DRY > 0.40 WET > 0.40	WET ≥ 0.42	< 130 mm <sup>3</sup>	≥ 8	5	5	V3



### MULTIFORMATO



VENDUTO SOLO A PALLET COMPLETO / SOLD IN FULL PALLETS ONLY / ERHAELT NUR IN VOLLE PALETTEN / UNIQUEMENT PAR PALETTE ENTIERE

60x90 - 23<sup>5</sup>/<sub>8</sub>x35<sup>7</sup>/<sub>16</sub> / 60x60 - 23<sup>5</sup>/<sub>8</sub>x23<sup>5</sup>/<sub>8</sub> / 30x60 - 11<sup>1</sup>/<sub>3</sub>x23<sup>5</sup>/<sub>8</sub>



MULTIFORMATO 1

MULTIFORMATO 2

MULTIFORMATO APN M833 Modulo 3 Formati Snow 20 MM Rettificato

10  
1150



PEZZI SPECIALI ON DEMAND 20MM\* Special coordinated pieces. Zusammenstellbare Formteile. Pièces spéciales coordonnées.

Gradino 1 Monografico 33x180	Gradino 2 Monografico 33x180	Gradino 3 Monografico 33x180	Bordo Rett. Antiderapant 30x60	Bordo Ang. SX Rett. 30x60	Bordo Ang. DX Rett. 30x60	Griglia Rettificata 20x60	Griglia Ang. SX Rett. 20x60	Griglia Ang. DX Rett. 20x60	Elemento Elle 30x180x5	Gradino L17 30x180x17	Copertina 30x60
01   683	01   684	01   685	02   560	02   650	02   650	02   590	02   610	02   610	02   683	01   685	02   518
APN G883	APN G884	APN G885	APN W81K	APN W82K	APN W84K	APN W85K	APN W86K	APN W87K	APN G889	APN G817	APN G860

\* 6 SETTIMANE DI CONSEGNA / DELIVERY WEEKS / SECHS WOCHEN LIEFERZEIT / SEMAINES DE LIVRAISON

OUT WALK TECHNICAL DATA 20 MM		Water Absorption	DIN 51130	DIN 51097	BS 7976 Pendulum Tester Average Values	MOHS	Modulus of Rupture	Breaking Strength (for square slabs)	Compressive Strength
Resistance to Staining	Resistance to household chemicals and swimming pool salts	≤ 0,03%	R11	A+B+C	wet ≥ 50 dry ≥ 55	≥ 8	≥ 50 N/mm <sup>2</sup>	≥ 12.000 N	≥ 200 N/mm <sup>2</sup>
5	A	Frost Resistance	Thermal Shock	Color Resistance UV Light		Reaction to Fire	≥ 500 kg/cm <sup>2</sup>	≥ 1.200 kg	≥ 2.000 kg/cm <sup>2</sup>
		Complies	Resistant	Resistant		A1FL	≥ 7,500 psi	≥ 2,700 lbs	≥ 29,000 psi









cm. 100x100  
inch. 39<sup>3</sup>/<sub>8</sub>x39<sup>3</sup>/<sub>8</sub>

cm. 60x120  
inch. 23<sup>5</sup>/<sub>8</sub>x47<sup>1</sup>/<sub>4</sub>

cm. 60x60  
inch. 23<sup>5</sup>/<sub>8</sub>x23<sup>5</sup>/<sub>8</sub>

cm. 30x60  
inch. 11<sup>13</sup>/<sub>16</sub>x23<sup>5</sup>/<sub>8</sub>

cm. 10x30  
inch. 3<sup>15</sup>/<sub>16</sub>x11<sup>13</sup>/<sub>16</sub>



60x120 - 23<sup>5</sup>/<sub>8</sub>x47<sup>1</sup>/<sub>4</sub>  
APN 42RT Sand Moon Rettificato

02  
1075



60x60 - 23<sup>5</sup>/<sub>8</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 40RT Sand Moon Rettificato

03  
1065



60x60 - 23<sup>5</sup>/<sub>8</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 47AS Sand Moon Antislip Rett.

03  
1070



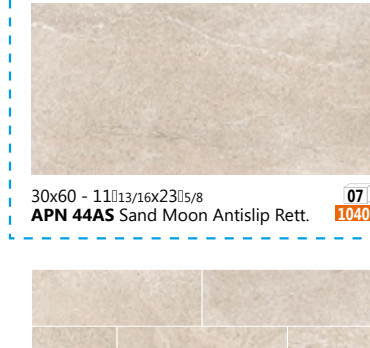
60x120 - 23<sup>5</sup>/<sub>8</sub>x47<sup>1</sup>/<sub>4</sub>  
APN 45RT Struttura Grooves Sand Moon Rettificato

02  
1085



30x60 - 11<sup>13</sup>/<sub>16</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 46RT Sand Moon Rettificato

07  
1035



30x60 - 11<sup>13</sup>/<sub>16</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 44AS Sand Moon Antislip Rett.

07  
1040



30x60 - 11<sup>13</sup>/<sub>16</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 43RT Struttura Grooves Sand Moon Rettificato

06  
1045



10x30 - 3<sup>15</sup>/<sub>16</sub>x11<sup>13</sup>/<sub>16</sub>  
APN 41RT Muretto Sand Moon Rett.

28  
1070



100x100 - 39<sup>3</sup>/<sub>8</sub>x39<sup>3</sup>/<sub>8</sub>  
APN 104R Sand Moon Rettificato

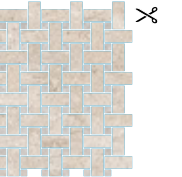
02  
1090



30x30 - 11<sup>13</sup>/<sub>16</sub>x11<sup>13</sup>/<sub>16</sub>  
APN 445N Mos. 5x5 Sand Moon

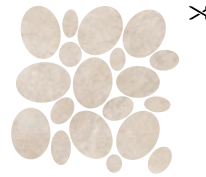
DIN 51130  
R10

DIN 51097  
A+B



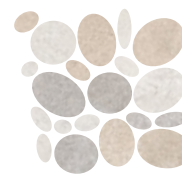
30x30 - 11<sup>13</sup>/<sub>16</sub>x11<sup>13</sup>/<sub>16</sub>  
APN 448N Trama Sand Moon/Rock Grey

10  
8145



30x30 - 11<sup>13</sup>/<sub>16</sub>x11<sup>13</sup>/<sub>16</sub>  
APN 446N Sassi Sand Moon

10  
8170



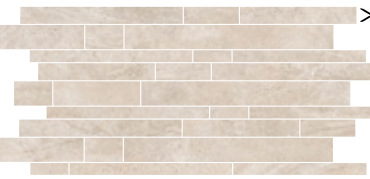
30x30 - 11<sup>13</sup>/<sub>16</sub>x11<sup>13</sup>/<sub>16</sub>  
APN 481N Sassi Mix Chiaro

10  
8170



30x60 - 11<sup>13</sup>/<sub>16</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 04RT Provenzale Sand Moon Rett.

06  
1150



30x60 - 11<sup>13</sup>/<sub>16</sub>x23<sup>5</sup>/<sub>8</sub>  
APN 447N Mattoncino Sand Moon

04  
8120



cm. 60x120  
inch. 23<sup>5</sup>/<sub>8</sub>x47<sup>1</sup>/<sub>4</sub>



60x120 - 23<sup>5</sup>/<sub>8</sub>x47<sup>1</sup>/<sub>4</sub>  
APN 49RT Sand Moon 20 MM Rett.

01  
1125



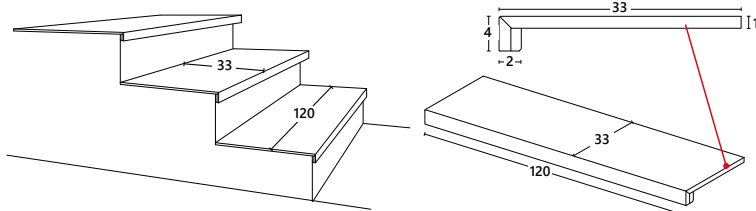
PEZZI SPECIALI ON DEMAND 20MM\* Special coordinated pieces. Zusammenstellbare Formteile. Pièces spéciales coordonnées.

Toro Gradino 30x120	Bordo Rett. Antiderapant 30x60	Bordo Ang. SX Rett. 30x60	Bordo Ang. DX Rett. 30x60	Griglia Rettificata 20x60	Griglia Ang. SX Rett. 20x60	Griglia Ang. DX Rett. 20x60
02   656	02   560	02   650	02   650	02   590	02   610	02   610
APN G43K	APN W41K	APN W42K	APN W44K	APN W45K	APN W46K	APN W47K

\* 6 SETTIMANE DI CONSEGNA / DELIVERY WEEKS / SECHS WOCHEN LIEFERZEIT / SEMAINES DE LIVRAISON

OUT WALK TECHNICAL DATA 20 MM		Water Absorption	DIN 51130	DIN 51097	BS 7976 Pendulum Tester Average Values	MOHS	Modulus of Rupture	Breaking Strength (for square slabs)	Compressive Strength
Resistance to Staining	Resistance to household chemicals and swimming pool salts	≤ 0,03%	R11	A+B+C	wet ≥ 50 dry ≥ 55	≥ 8	≥ 50 N/mm <sup>2</sup>	≥ 12.000 N	≥ 200 N/mm <sup>2</sup>
5	A	Frost Resistance	Thermal Shock	Color Resistance UV Light		Reaction to Fire	≥ 500 kg/cm <sup>2</sup>	≥ 1.200 kg	≥ 2.000 kg/cm <sup>2</sup>
		Complies	Resistant	Resistant		A1FL	≥ 7,500 psi	≥ 2,700 lbs	≥ 29,000 psi

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




Battiscopa 7x60 21 3/4 x 23 5/8	Gradino Elle Rett. 33x120x4 13 1/4 x 47 1/4 x 11 9/16	Angolo DX Rett. 33x120x4 13 1/4 x 47 1/4 x 11 9/16	Angolo SX Rett. 33x120x4 13 1/4 x 47 1/4 x 11 9/16
15   230	01   670	01   676	01   676
APN B40K	APN G41K	APN G42K	APN G43K

\* 6 SETTIMANE DI CONSEGNA / DELIVERY WEEKS / SECHS WOCHEN LIEFERZEIT / SEMAINES DE LIVRAISON



## 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 $E_b \leq 0,5\%$	Average value $\leq 0,06\%$
<b>Classification</b>	<b>Definition § 3.0</b>	<b>Porcelain tiles</b>
<b>Physical properties</b>		
Breaking strength - (ASTM C 648)	Average $\geq 250$ lbf (1.11 kN) Individual $\geq 225$ lbf (1.00 kN)	Complies
Visible abrasion - (ASTM C 1027)	As reported	Class 0 - 5
Raccomanded use	Novabell criterion (see Annex N - ISO 13006 / EN 14411)	Class 4
Thermal shock resistance (ASTM C 428)	Pass	Complies
Crazing resistance (ASTM C 424)	Pass	Complies
Resistance to freeze/thaw cycling (ASTM C 1026)	As reported	Resistant
<b>DCOF Resistance</b> (ANSI A 137.1 Section 9.6)	$\geq 0.42$ <sup>(1)</sup>	DCOF $\geq 0.42$
Bond strength (ASTM C 482)	$\geq 50$ psi (0.34 MPa)	$> 1$ MPa
Color Uniformity (ASTM C 609 and ANSI A 137.1 Section 9.3) <sup>(2)</sup>	V0 - 3 Juds	See the specific section
<b>Chemical properties</b>		
Chemical resistance (ASTM C 650)	As reported	Resistant
Stain resistance (ASTM C 1378)	As reported	Resistant
<b>Dimensions - Calibrated tiles</b>		
Dimensions - (ASTM C 499) - (ASTM C 485) - (ASTM C 502)	See ANSI A 137.1 - Tab.10	Complies
<b>Dimensions - Rectified tiles</b>		
Dimensions - (ASTM C 499) - (ASTM C 485) - (ASTM C 502)	See ANSI A 137.1 - Tab.10	Complies
Scratch hardness of surface according to Mohs'	ex BS 6431-13 / ex EN 101	$\geq 5$

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



**ASPEN  
NATURALE**

 Utilizzare il **QR CODE** per scaricare le schede tecniche

 Use the **QR CODE** to download data sheets



**ASPEN  
ANTISLIP**

 Veuillez utiliser le **QR CODE** pour télécharger les fiches techniques

 **QR CODE** benutzen um die technische datenblätter runter zu laden



**ASPEN  
20MM**

OUT WALK	Bending Strength EN 13396	Water Absorption	DIN 51130	DIN 51097	BS 7976 Pendulum Tester Average Values	MOHS	Modulus of Rupture	Breaking Strength (for square slabs)	Compressive Strength
TECHNICAL DATA 20 MM	$\geq U11$ * for square slabs	$\leq 0,03\%$	R11	A+B+C	wet $\geq 50$ dry $\geq 55$	$\geq 8$	$\geq 50$ N/mm <sup>2</sup>	$\geq 12.000$ N	$\geq 200$ N/mm <sup>2</sup>
Resistance to Staining	Resistance to household chemicals and swimming pool salts	Frost Resistance	Thermal Shock	Color Resistance UV Light		Reaction to Fire	$\geq 500$ kg/cm <sup>2</sup>	$\geq 1.200$ kg	$\geq 2.000$ kg/cm <sup>2</sup>
5	A	Complies	Resistant	Resistant	A1FL	$\geq 7,500$ psi	$\geq 2,700$ lbs	$\geq 29,000$ psi	

## The international reference standards: ISO - EN **NATURALE**

Characteristics and Test methods	Requirements EN 14411 <sup>(1)</sup> - G / ISO 13006 <sup>(2)</sup> - G	Our general values
Determination of water absorption - (ISO 10545-3)	Average value $E_b \leq 0,5\%$ / Individual maximum 0,6%	$\leq 0,06\%$ Average value and individual maximum
<b>Classification</b>	<b>Definition § 3.2 and § 3.7</b>	<b>BI<sub>s</sub> - Porcelain tiles</b>
<b>Physical properties</b>		
Modulus of rupture - (ISO 10545-4)	Average $\geq 35$ Nmm <sup>2</sup>	$\geq 35$ Nmm <sup>2</sup>
Breaking strength - (ISO 10545-4)	Average $\geq 1300$ N for thickness $\geq 7,5$ mm Average $\geq 700$ N for thickness $< 7,5$ mm	Complies
Resistance to surface abrasion - (ISO 10545-7)	Abrasion class and cycles passed	Class 0 - 5
Resistance to deep abrasion - (ISO 10545 - 6)	Max volume abraded $< 175$ / mm <sup>3</sup>	$< 175$ / mm <sup>3</sup>
Raccomanded use	Novabell criterion (see Annex N - ISO 13006 / EN 14411)	Class 4
Coefficient of linear thermal expansion (ISO 10545-8)	Declared value <sup>(1)</sup> / Test method available <sup>(2)</sup>	$< 7,1 \times 10^{-6}$ °C <sup>-1</sup>
Thermal shock resistance (ISO 10545-9)	Pass according to EN ISO 10545-1 <sup>(1)</sup> / Test method available <sup>(2)</sup>	Complies
Crazing resistance (ISO 10545-11)	Pass according to EN ISO 10545-1 <sup>(1)</sup> / Required <sup>(2)</sup>	Complies
Frost resistance (ISO 10545-12)	Pass according to EN ISO 10545-1 <sup>(1)</sup> / Required <sup>(2)</sup>	Complies
Moisture expansion (ISO 10545-10)	Declared value <sup>(1)</sup> / Test method available <sup>(2)</sup>	$\leq 0,2$ mm/m
Small colour differences (ISO 10545-16)	$\Delta E_{cmc} < 0,75$ <sup>(1)</sup>	If agreed
Impact resistance - (ISO 10545-5)	Declared value <sup>(1)</sup> / Test method available <sup>(2)</sup>	COR $> 0,75$
Reaction to fire	Class A1 or A1 <sub>FL</sub> <sup>(1)</sup>	A1 <sub>FL</sub> Classified Without Testing (CWT) - 96/603
<b>Chemical properties</b>		
Chemical resistance -(GL) (ISO 10545-13)		
Resistance to low and high concentrations of acids and alkalis	Declared value <sup>(1)</sup> / Manufacturer is to state classification <sup>(2)</sup>	Resistant (see "Maintenance and care" section)
Resistance to household chemicals and swimming pool salts	Minimum class B	GA
Resistance to staining (ISO 10545-14)	Minimum class 3	5 (see "Maintenance and care" section)
Release of dangerous substances (ISO 10545-15)	Declared value <sup>(1)</sup> / Test method available <sup>(2)</sup>	Pb $< 0,1$ / Cd $< 0,01$ mg/dm <sup>2</sup>
<b>Dimensions and surface quality</b>		
Dimensions - (ISO 10545-2)	See ANNEX G	Complies
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	Complies

(1) Requirements according to EN 14411


(2) Requirements according to ISO 13006

Test methods	Requirements and references	Our general values
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	R 10
Determination of anti - slip properties Wet-loaded barefoot areas - Walking method - Ramp test (DIN 51097) - Germany	GUV-I 8527 A - B - C	A + B
Dynamic Coefficient Friction wet and dry condition (BCR-ex BCRA) Italy	DM n. 236 / 1989 $\mu > 0,40$	$\mu > 0,40$
Scratch hardness of surface according to Mohs'	ex BS 6431-13 / ex EN 101	$\geq 5$

 La tabella in italiano con i dati tecnici è scaricabile su [www.novabell.it](http://www.novabell.it)

 The English language technical specification for each collection can be downloaded from [www.novabell.it](http://www.novabell.it)

 Si vous le souhaitez, téléchargez le tableau contenant les données techniques en français en allant sur [www.novabell.it](http://www.novabell.it)

 Die Tabelle in deutscher Sprache kann auf [www.novabell.it](http://www.novabell.it) heruntergeladen werden.



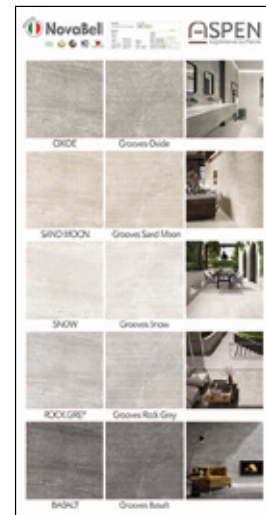
IMBALLI e PESI / Packaging and weights / Verpackungen und Gewichte / Emballages et poids

SCATOLA / BOX

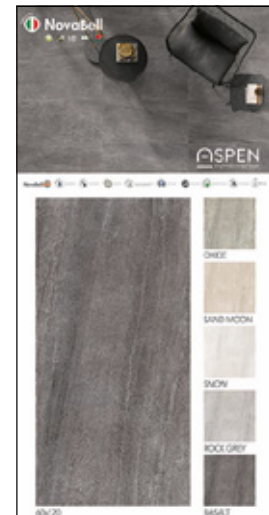
PALLET

	pz	m2	kg	box	m2	kg	≡
100x100	2	2,000	39,5 	20	40,000	790	10
60x120	2	1,440	30,7 	32	46,080	983	10
60x60	3	1,080	22,5	40	43,200	900	10
30x60	7	1,260	25,9 	40	50,400	1036	10
30x60 Struttura	6	1,080	23,1	40	43,200	924	10
10x30	28	0,840	18,2	56	47,040	1019	10
60x180	1	1,080	48,0 	20	21,600	960	20
60x120	1	0,720	32,2 	32	23,040	1030	20
60x90	1	0,540	23,9	44	26,760	1052	20
Modulo 3 formati	1 cp.	1,620	71,7 	14 cp.	22,680	1004	20

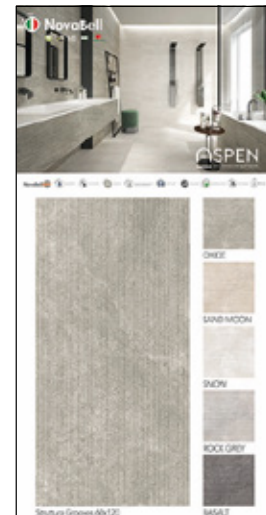
MERCHANDISING



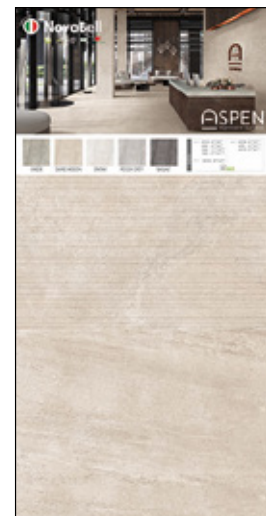
PG APN FT



PG APN FT 60x120



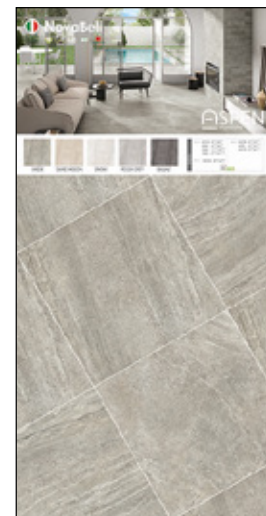
Struttura GROOVES 60x120



SAND MOON



SNOW



ROCK GREY



SCAAPN6



SCA-APN





CAT-APN



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