

SUPER HARD
KERAMIK 3 





IDEAL FOR INSTALLATIONS ON PEDESTALS FOR PUBLIC AND PRIVATE TERRACES IN TOTAL SAFETY.
IDEAL FÜR INSTALLATIONEN AUF PODESTEN FÜR ÖFFENTLICHE UND PRIVATE TERRASSEN IN ABSOLUTER SICHERHEIT.
IDÉAL POUR DES INSTALLATIONS SUR PIÉDESTAUX POUR TERRASSES PUBLIQUES ET PRIVÉES EN TOUTE SÉCURITÉ.
IDEALE PER TERRAZZE GALLEGGIANTI PUBBLICHE E PRIVATE IN TOTALE SICUREZZA.

PIETRA MOON



THE EXTREMELY ROBUST OUTDOOR PAVING : BEAUTIFUL LIKE STONE, PERFORMING LIKE PORCELAIN STONEWARE.

DIE EXTREM ROBUSTE PFLASTERUNG FÜR DEN AUSSENBEREICH: SCHÖN WIE STEIN, STARK WIE FEINSTEINZEUG.

LE REVÊTEMENT POUR EXTÉRIEURS EXTRÊMEMENT ROBUSTE : ÉLÉGANT COMME LA PIERRE, ROBUSTE COMME LE GRÈS CÉRAME.

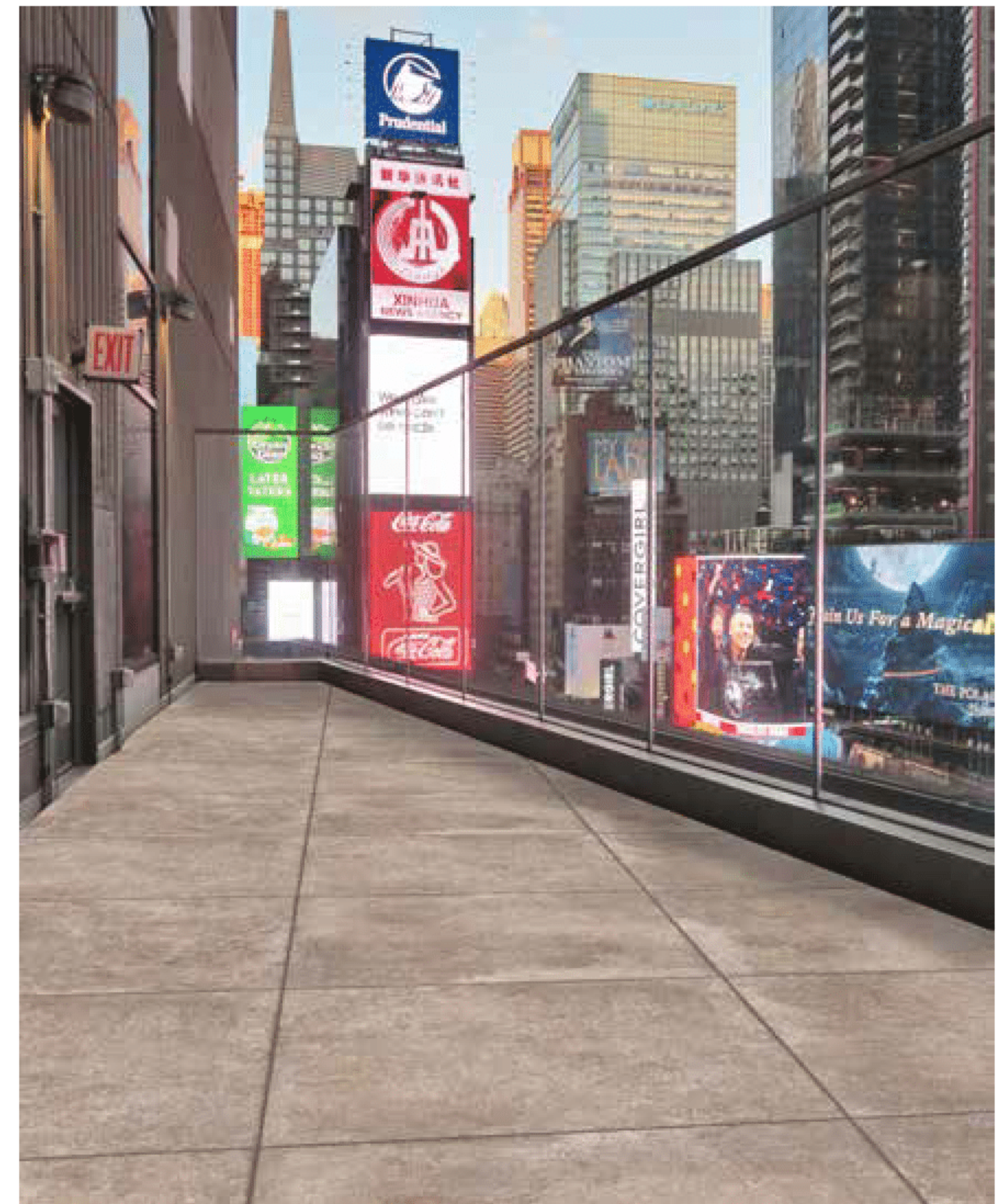
LA PAVIMENTAZIONE PER ESTERNI ESTREMAMENTE ROBUSTA: BELLA COME LA PIETRA, PERFORMANTE COME IL GRES PORCELLANATO.

Super Hard Keramik 3 cm is a 3 cm (1.2") thickness solid porcelain stoneware paving slab, designed to last over time: it is characterised by the same high quality of standard 2 cm thick porcelain slabs but with higher bending strength. A valid alternative to composite, concrete or natural stone pavers because it can bear heavy loads even when laid on gravel. Ideal for installations on pedestals for public and private terraces in total safety.

Super Hard Keramik 3 cm ist ein Produkt aus feinem Feinsteinzeug einer Dicke von 3 cm, das für dauerhafte Beständigkeit geplant wurde: Es zeichnet sich durch die gleiche hohe Qualität der Standardprodukte einer Dicke von 2 cm aus, besitzt jedoch eine höhere Biegefestigkeit. Eine wertvolle Alternative zu Verbundwerkstoffen und zementartigen Materialien oder Natursteinen für den Außenbereich, die auch bei der Verlegung auf Kies befahrbar ist. Ideal für Installationen auf Podesten für öffentliche und private Terrassen in absoluter Sicherheit.

Super Hard Keramik 3 cm est un produit en grès cérame massif, d'une épaisseur de 3 cm, conçu pour durer dans le temps : il est caractérisé par la même qualité élevée des produits standard d'une épaisseur de 2 cm, mais qui offre une résistance supérieure en flexion. Une alternative valide aux matériaux composites pour espaces extérieurs, ciments ou pierres naturelles puisque carrossable même si posées sur gravier. Idéal pour des installations sur piédestaux pour terrasses publiques et privées en toute sécurité.

Super Hard Keramik 3 cm è una pavimentazione in gres porcellanato massiccia, di spessore 3 cm, progettato per essere resistente nel tempo: è caratterizzato dalla stessa elevata qualità dei prodotti standard di spessore 2 cm ma con una superiore resistenza a flessione. Una valida alternativa ai materiali per esterno compositi, cementizi o in pietra naturale perchè carrabile da mezzi pesanti con traffico continuo anche se posato su ghiaia. Ideale per terrazze galleggianti pubbliche e private in totale sicurezza.



3 CM (1.2") OF PAVING LOAD RESISTANCE: IDEAL FOR DRIVE-OVER PAVINGS INSTALLED OVER SAND OR GRAVEL.

3 CM BESTÄNDIGKEIT GEGEN LASTEN: IDEAL FÜR BEFAHRBARE BODENBELÄGE AUF SAND UND ODER KIES.

3 CM DE RÉSISTANCE AUX CHARGES: IDÉAL POUR LES PAVÉS ROULANTS INSTALLÉS SUR DU SABLE OU DU GRAVIER.

3 CM DI RESISTENZA AI CARICHI: IDEALE PER PAVIMENTAZIONI CARRABILI POSATE SU SABBIA O GHIAIA.



PIETRA OMBRA

BENEFITS - LEISTUNGEN - POINT FORTS - VANTAGGI

- ✓ **Drive-over**, particularly resistant to heavy road loads
Befahrbar, besonders beständig gegen hohe Straßenlasten
Carrossable, particulièrement résistant aux charges élevées
Carrabile, particolarmente resistente ai carichi stradali elevati
- ✓ **Robust**, drive-over guaranteed even when laid on dry sand and gravel
Robust, auch trocken auf Sand und Kies verlegt befahrbar
Robuste, carrossable même posé à sec sur sable ou gravier
Robusto, carrabilità garantita anche posato a secco sabbia e ghiaia
- ✓ **Durable**, wear resistant thanks to high surface hardness
Dauerhaft, dank der hohen Oberflächenhärte verschleißbeständig
Durable, résistant à l'usure grâce à la dureté superficielle élevée
Durevole, resistente all'usura grazie all'elevata durezza superficiale
- ✓ **Easy to clean**, stain proof
Leicht zu reinigen, nicht flüssigkeitsempfindlich
Facile à nettoyer, ne craint pas les tâches
Facile da pulire, non teme le macchie

- ✓ **Anti-frost**, guaranteed frost resistance
Gefriert nicht, Frostbeständigkeit garantiert
Ne gèle pas, résistance au gel garantie
Non gelivo, resistenza al gelo garantita
- ✓ **Anti-slip**, R11 slip resistance
Rutschsicher, Rutschbeständigkeit R11
Antiglisse, résistance à la glissade R11
Antiscivolo, Resistenza allo scivolamento R11
- ✓ **Ecological**, an environmentally friendly product
Umweltfreundlich, ein unter Beachtung der Umwelt hergestelltes Produkt
Écologique, c'est un produit réalisé dans le respect de l'environnement
Ecologico, è un prodotto realizzato nel rispetto dell'ambiente
- ✓ **Cheap**
Kostengünstig
Économique
Economico

TECHNICAL-STRUCTURAL CHARACTERISTICS

TECHNISCH-STRUKTURELLE EIGENSCHAFTEN
CARACTÉRISTIQUES TECHNIQUES ET STRUCTURELLES
CARATTERISTICA TECNICO-STRUTTURALE

Breaking load class (EN 1339) = U 30

Bruchlastklasse (EN 1339) = U 30

Classe de charge de rupture (EN 1339) = U 30

Classe di carico di rottura (EN 1339) = U 30



Breaking strength (ISO 10545-4)

Value for Super Hard Keramik 3 cm = >29000 N

Bruchkraft (ISO 10545-4)

Wert für Super Hard Keramik 3 cm = >29000 N

Force de rupture (ISO 10545-4)

Valeur pour Super Hard Keramik 3 cm = >29000 N

Sforzo di rottura (ISO 10545-4)

Valore per Super Hard Keramik 3 cm = >29000 N



INSTALLATION - VERLEGUNG - POSE - POSA

On sand or gravel: guaranteed load bearing.

Auf Sand oder Kies: Garantiert befahrbar.

Sur sable ou gravier : passage de voiture garanti.

Su sabbia o ghiaio: carrabilità garantita.

On floating paving: high safety due to the breaking load class guaranteed according to EN 1339 U 30.

Auf schwimmend verlegtem Boden: Hohe Sicherheit aufgrund der Bruchlastklasse gemäß EN 1339 U 30.

Sur revêtement flottant : sécurité élevée, classe de la charge de rupture garantie selon la norme EN 1339 U 30.

Su pavimento galleggiante: elevata sicurezza dovuta alla garanzia di classe di carico di rottura secondo EN 1339 U 30.

On screed with glue.

Auf Estrich mit Klebstoff.

Sur chape avec colle.

Su massetto con colla.

INTENDED USE - EINSATZMÖGLICHKEITEN - APPLICATIONS - DESTINAZIONI D'USO

Driveways

Einfahrten

Passages carrossables

Passi carrabili

Ramps

Rampen

Rampes d'accès

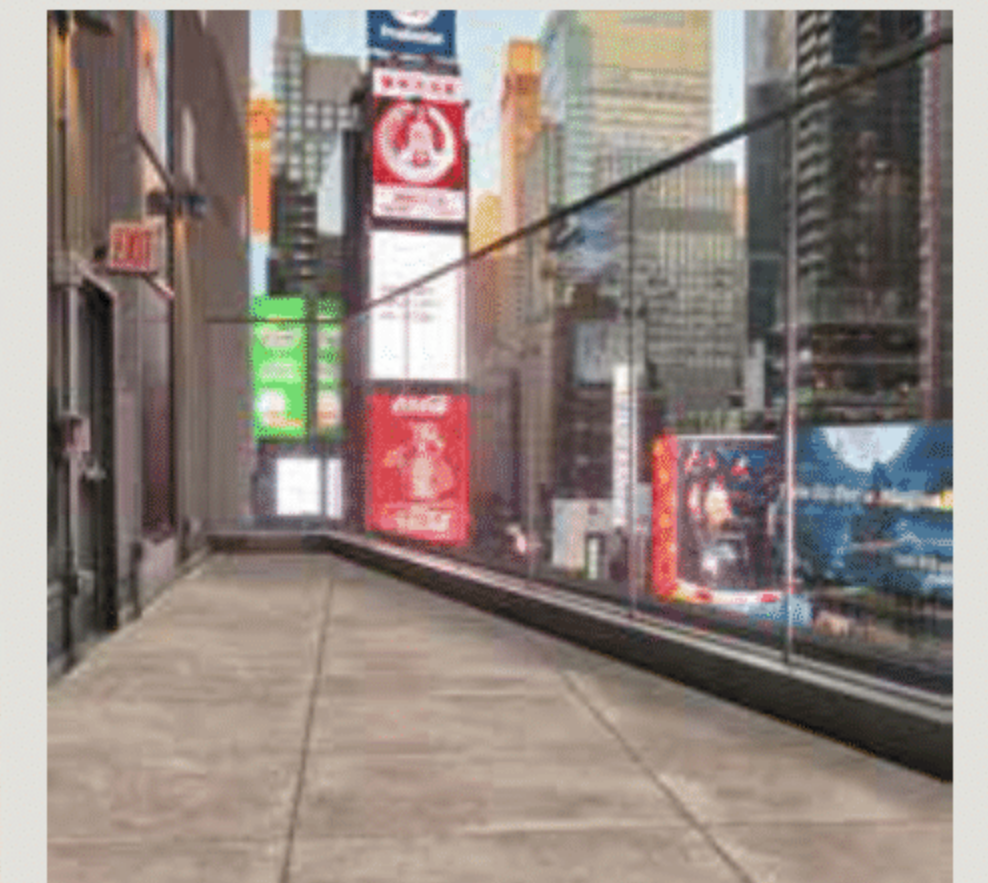
Rampe

Raised pavings

Das Doppelbodensystem

Pose surélevée

Terrazze galleggianti



3^{CM}

CEMENTO BLACK



60x60
24"x24"



40x80
16"x32"

CODE	DIMENSION	m ² /PLT	kg/PLT	NOTE
000239	60 x 60 x 3 cm	15,84	1090	NATURAL
000240	40 x 80 x 3 cm	17,28	1200	NATURAL
000239RET	60 x 60 x 3 cm	15,84	1090	RECTIFIED
000240RET	40 x 80 x 3 cm	17,28	1200	RECTIFIED




3CM

CEMENTO TAUPE

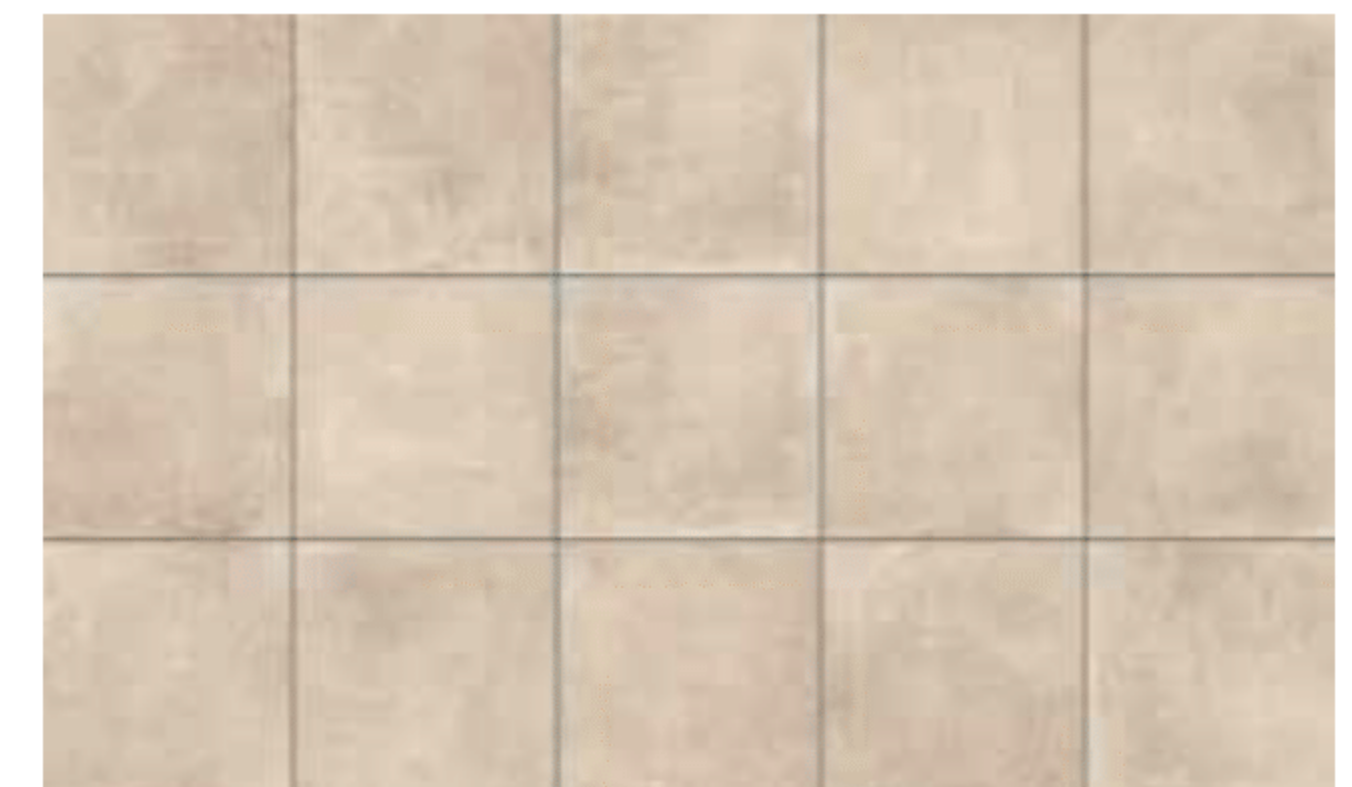


60x60
24"x24"



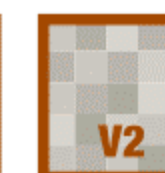
40x80
16"x32"

CODE	DIMENSION	m ² /PLT	kg/PLT	NOTE
000241	60 x 60 x 3 cm	15,84	1090	NATURAL
000242	40 x 80 x 3 cm	17,28	1200	NATURAL
000241RET	60 x 60 x 3 cm	15,84	1090	RECTIFIED
000242RET	40 x 80 x 3 cm	17,28	1200	RECTIFIED



3CM

CEMENTO SMOKE

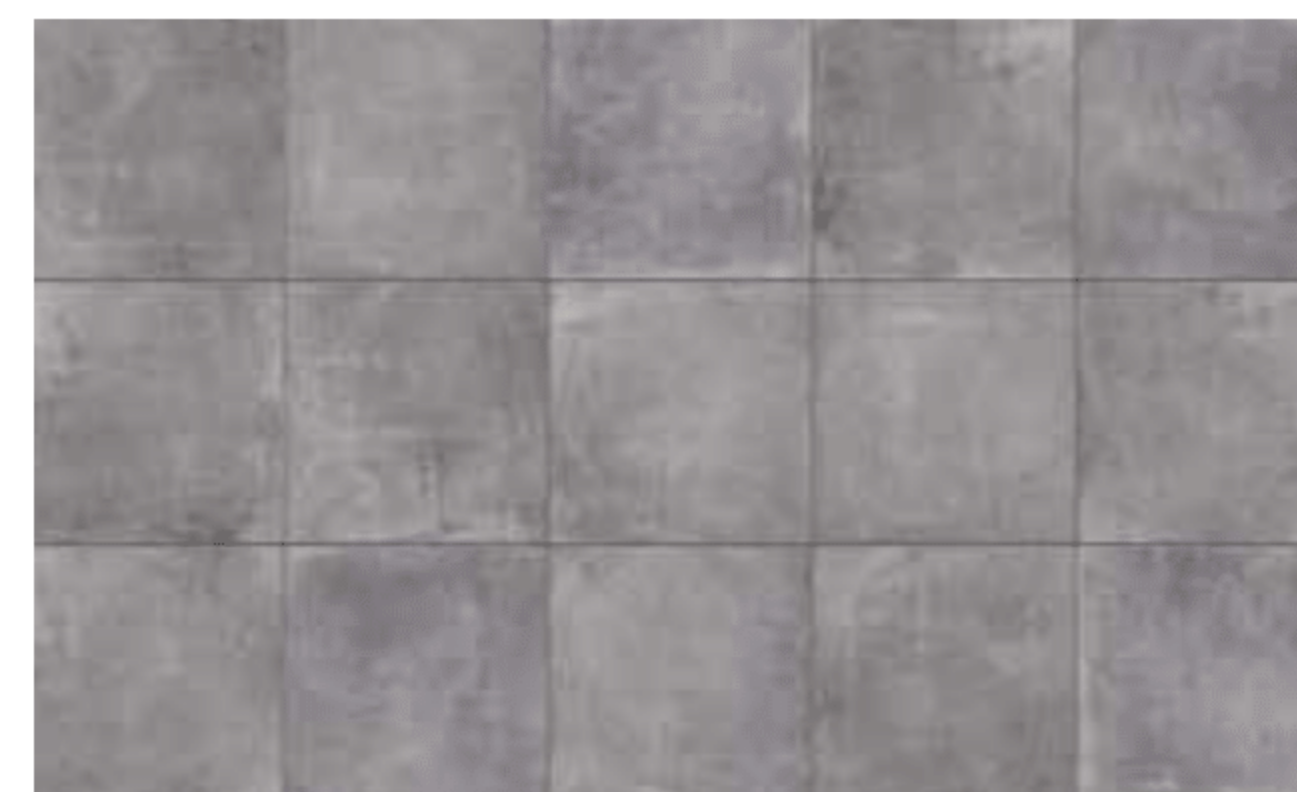


60x60
24"x24"



40x80
16"x32"

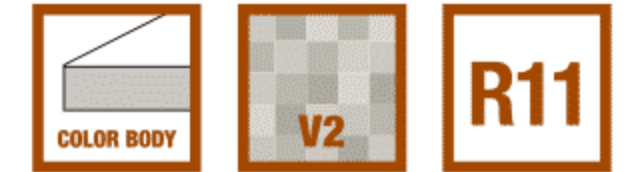
CODE	DIMENSION	m ² /PLT	kg/PLT	NOTE
000243	60 x 60 x 3 cm	15,84	1090	NATURAL
000244	40 x 80 x 3 cm	17,28	1200	NATURAL
000243RET	60 x 60 x 3 cm	15,84	1090	RECTIFIED
000244RET	40 x 80 x 3 cm	17,28	1200	RECTIFIED





3^{CM}

SLATE BLACK



60x60
24"x24"



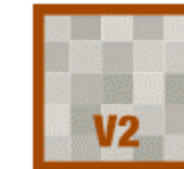
40x80
16"x32"

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000250	60 x 60 x 3 cm	15,84	1090	NATURAL
000251	40 x 80 x 3 cm	17,28	1200	NATURAL
000250RET	60 x 60 x 3 cm	15,84	1090	RECTIFIED
000251RET	40 x 80 x 3 cm	17,28	1200	RECTIFIED



3CM

SLATE GREY

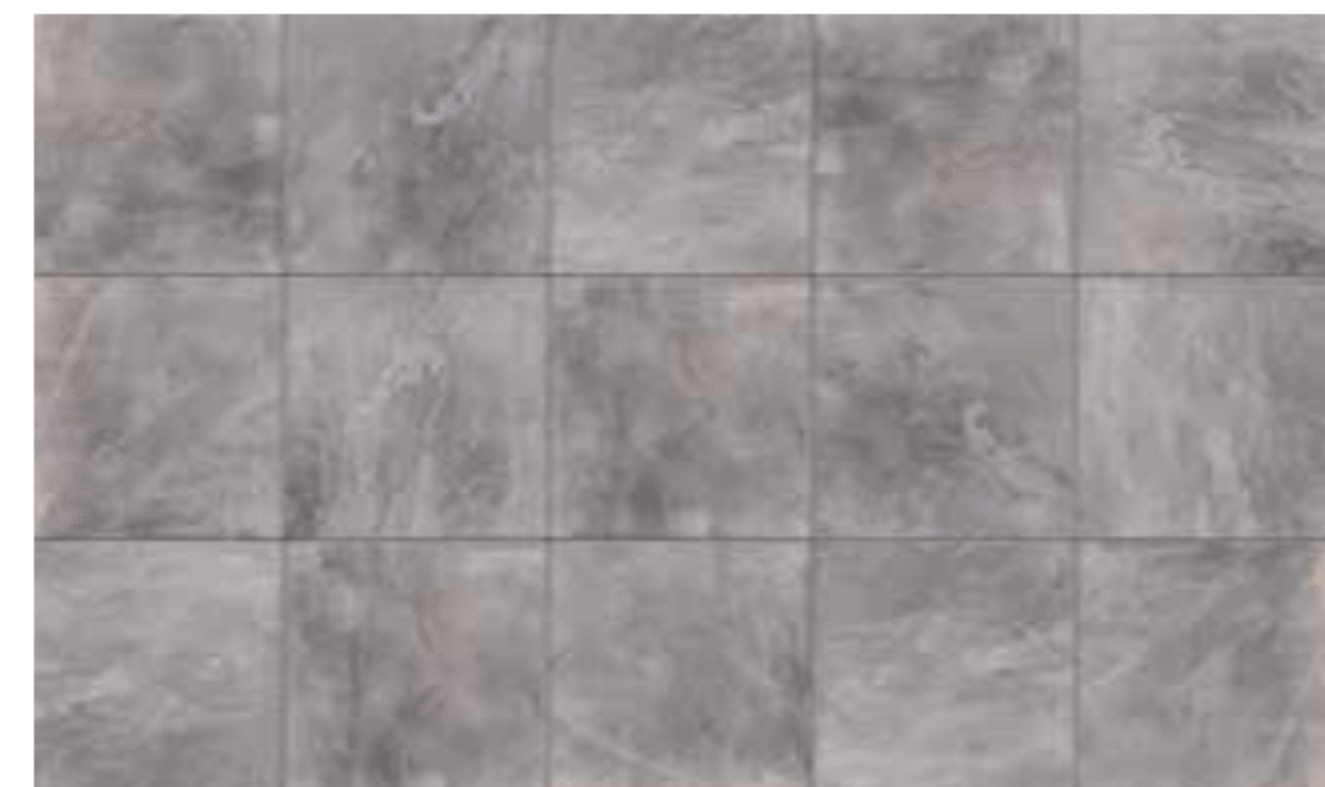


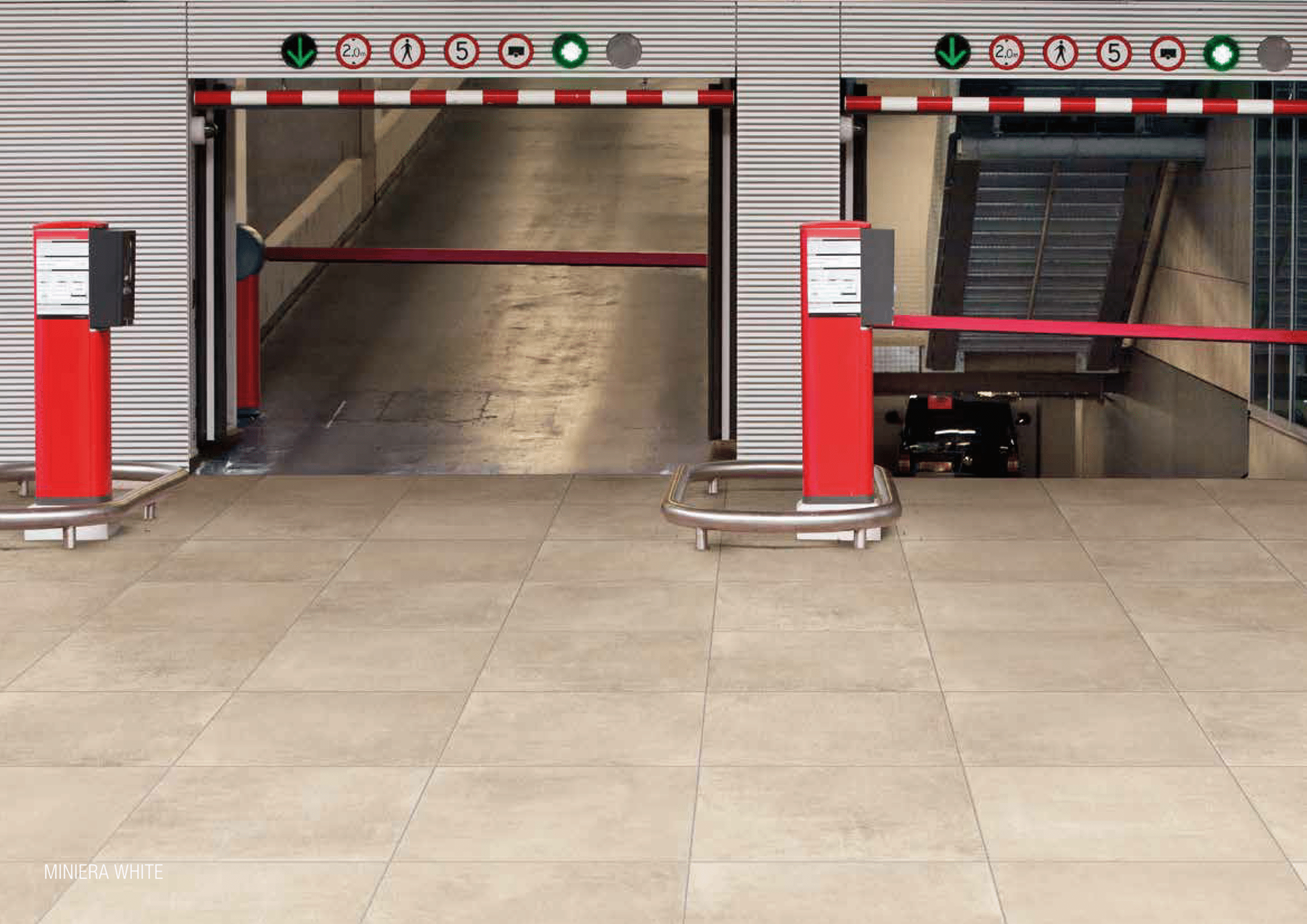
60x60
24"x24"



40x80
16"x32"

CODE	DIMENSION	m ² /PLT	kg/PLT	NOTE
000252	60 x 60 x 3 cm	15,84	1090	NATURAL
000253	40 x 80 x 3 cm	17,28	1200	NATURAL
000252RET	40 x 80 x 3 cm	17,28	1200	RECTIFIED
000253RET	40 x 80 x 3 cm	17,28	1200	RECTIFIED



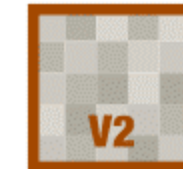


MINIERA WHITE

3^{CM}

MINIERA

WHITE



60x60
24"x24"

CODE	DIMENSION	m ² /PLT	kg/PLT	NOTE
000254	60 x 60 x 3 cm	15,84	1090	NATURAL
000254RET	60 x 60 x 3 cm	15,84	1090	RECTIFIED



3^{CM}

MINIERA BLACK



60x60
24"x24"

CODE	DIMENSION	m ² /PLT	kg/PLT	NOTE
000255	60 x 60 x 3 cm	15,84	1090	NATURAL
000255RET	60 x 60 x 3 cm	15,84	1090	RECTIFIED



3 CM

BLUSTONE

DARK

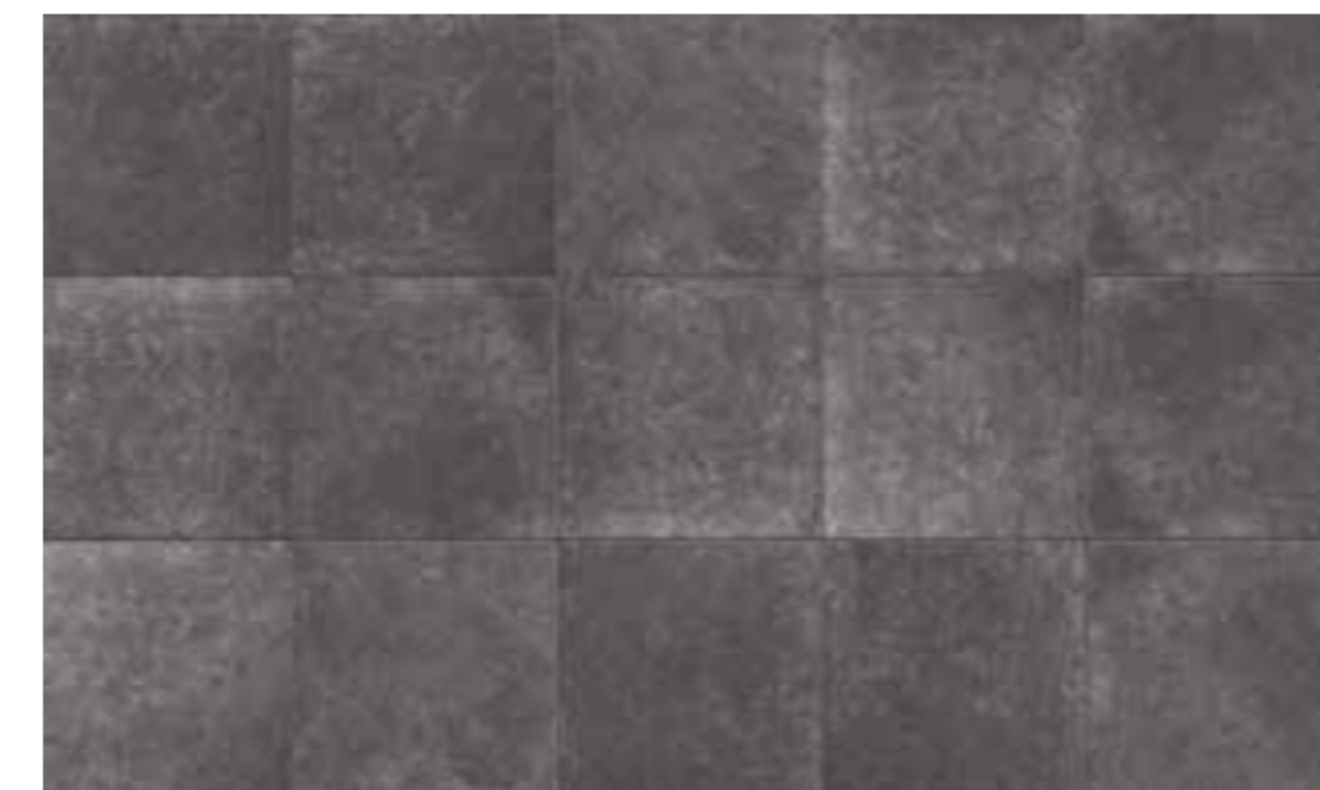


60x60
24"x24"



40x80
16"x32"

CODE	DIMENSION	m ² /PLT	kg/PLT	NOTE
000245	60 x 60 x 3 cm	15,84	1090	NATURAL
000246	40 x 80 x 3 cm	17,28	1200	NATURAL
000245RET	60 x 60 x 3 cm	15,84	1090	RECTIFIED
000246RET	40 x 80 x 3 cm	17,28	1200	RECTIFIED



3CM

BLUSTONE

GREY



40x80
16"x32"

Two icons: a square with a 90-degree angle and 'RECTIFIED' text, and a square with 'NATURAL' text.

90x90
36"x36"

A square with a 90-degree angle and 'RECTIFIED' text.

60x60
24"x24"

Two icons: a square with a 90-degree angle and 'RECTIFIED' text, and a square with 'NATURAL' text.

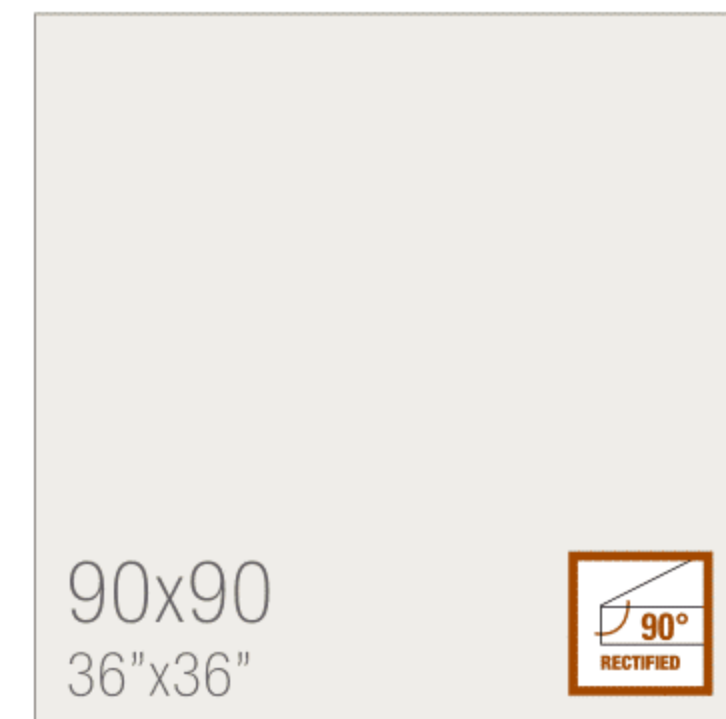
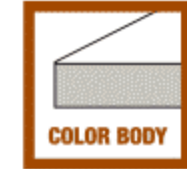
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000248	60 x 60 x 3 cm	15,84	1090	NATURAL
000249	40 x 80 x 3 cm	17,28	1200	NATURAL
000248RET	60 x 60 x 3 cm	15,84	1090	RECTIFIED
000249RET	40 x 80 x 3 cm	17,28	1200	RECTIFIED
000403RET	90 x 90 x 3 cm	16,20	1125	RECTIFIED



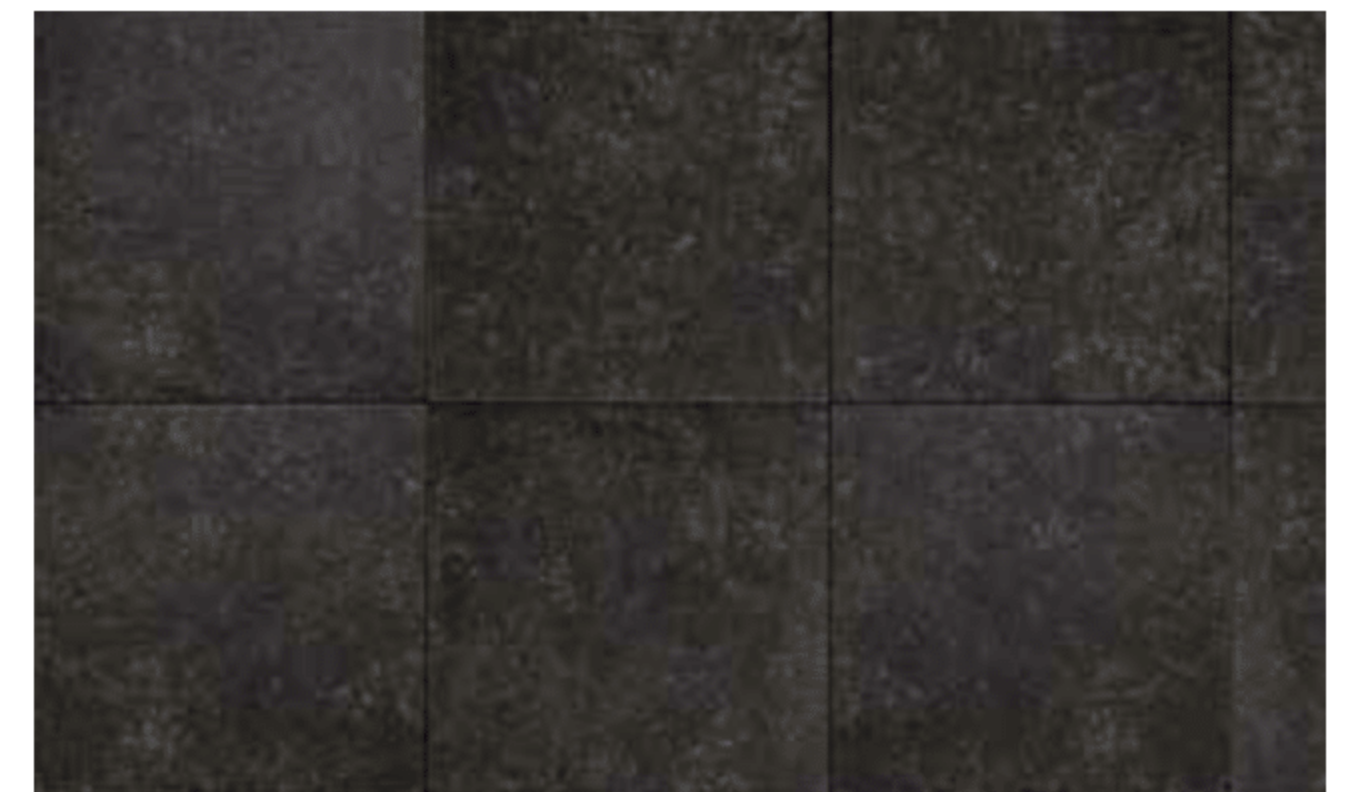
3
CM

BLUSTONE

BLACK



CODE	DIMENSION	m ² /PLT	kg/PLT	NOTE
000404RET	90 x 90 x 3 cm	16,20	1125	RECTIFIED

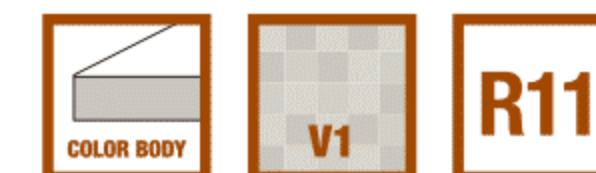






PIETRA BASALTO

3
CM


PIETRA BASALTO



40x80
16"x32"



90x90
36"x36"



60x60
24"x24"



CODE	DIMENSION	m ² /PLT	kg/PLT	NOTE
000256	60 x 60 x 3 cm	15,84	1090	NATURAL
000257	40 x 80 x 3 cm	17,28	1200	NATURAL
000256RET	60 x 60 x 3 cm	15,84	1090	RECTIFIED
000257RET	40 x 80 x 3 cm	17,28	1200	RECTIFIED
000353RET	90 x 90 x 3 cm	16,20	1125	RECTIFIED



3 CM

PIETRA OMBRA

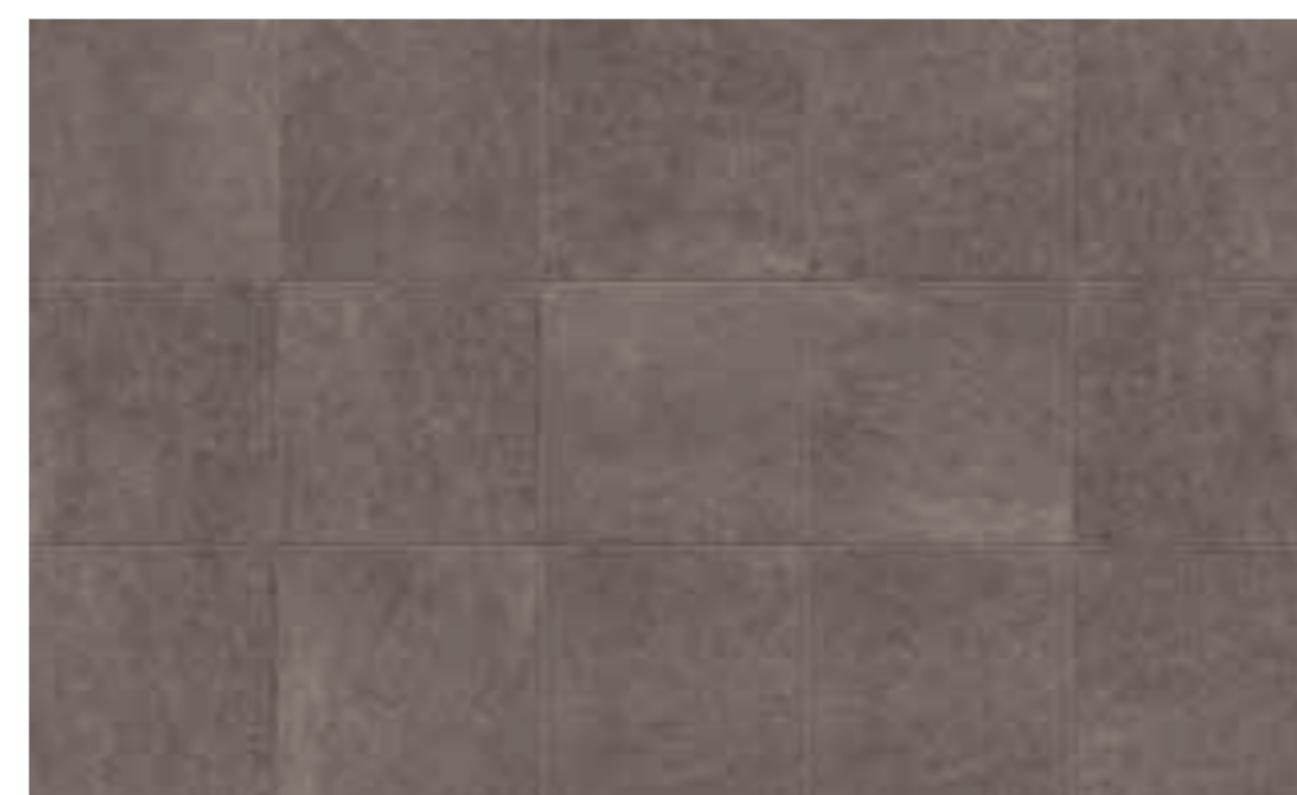


60x60
24"x24"



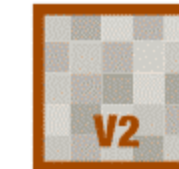
40x80
16"x32"

CODE	DIMENSION	m ² /PLT	kg/PLT	NOTE
000267	60 x 60 x 3 cm	15,84	1090	NATURAL
000260	40 x 80 x 3 cm	17,28	1200	NATURAL




3^{CM}

PIETRA GREY



40x80
16"x32"



CODE	DIMENSION	m ² /PLT	kg/PLT	NOTE
000259	40 x 80 x 3 cm	17,28	1200	NATURAL






PIETRA MOKA

3 CM

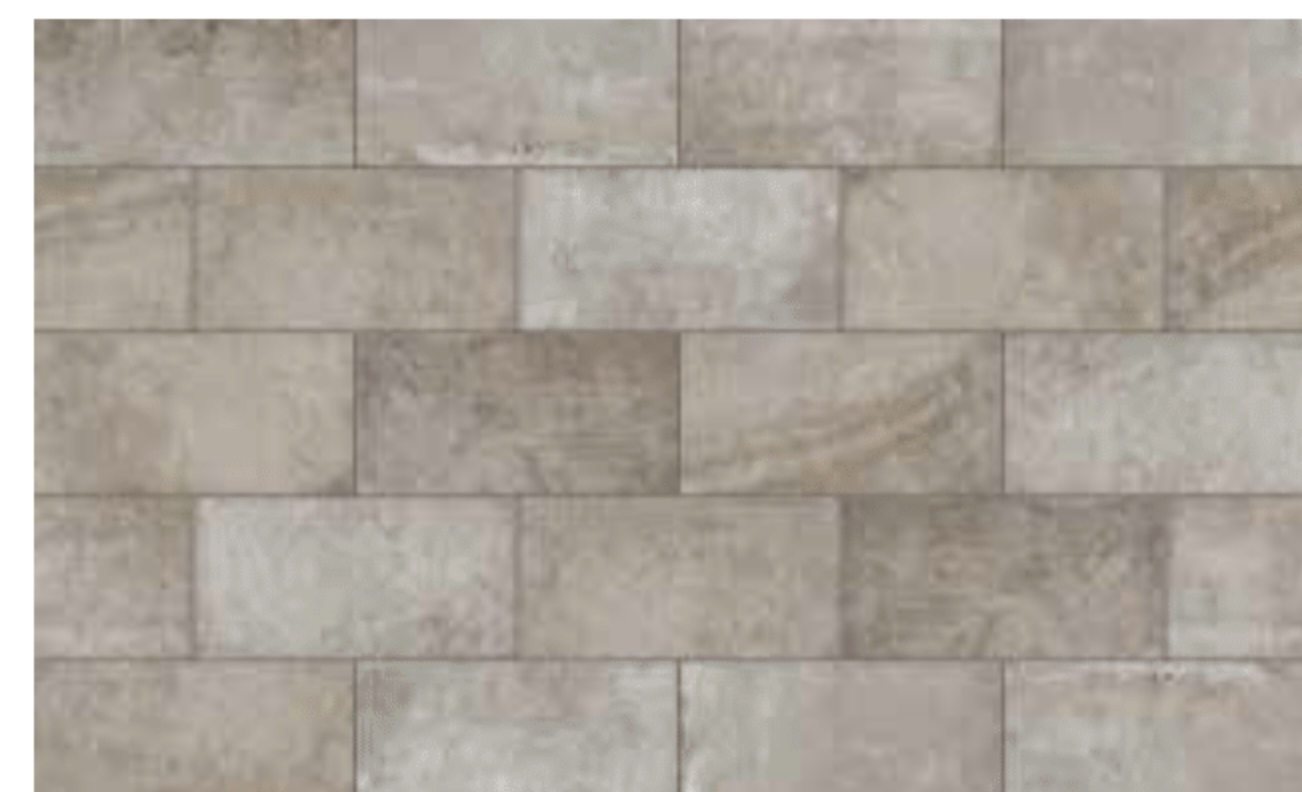
PIETRA MOKA



40x80
16"x32"

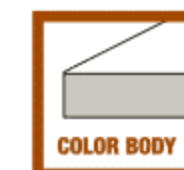


CODE	DIMENSION	m ² /PLT	kg/PLT	NOTE
000261	40 x 80 x 3 cm	17,28	1200	NATURAL



3 CM

PIETRA BARGE

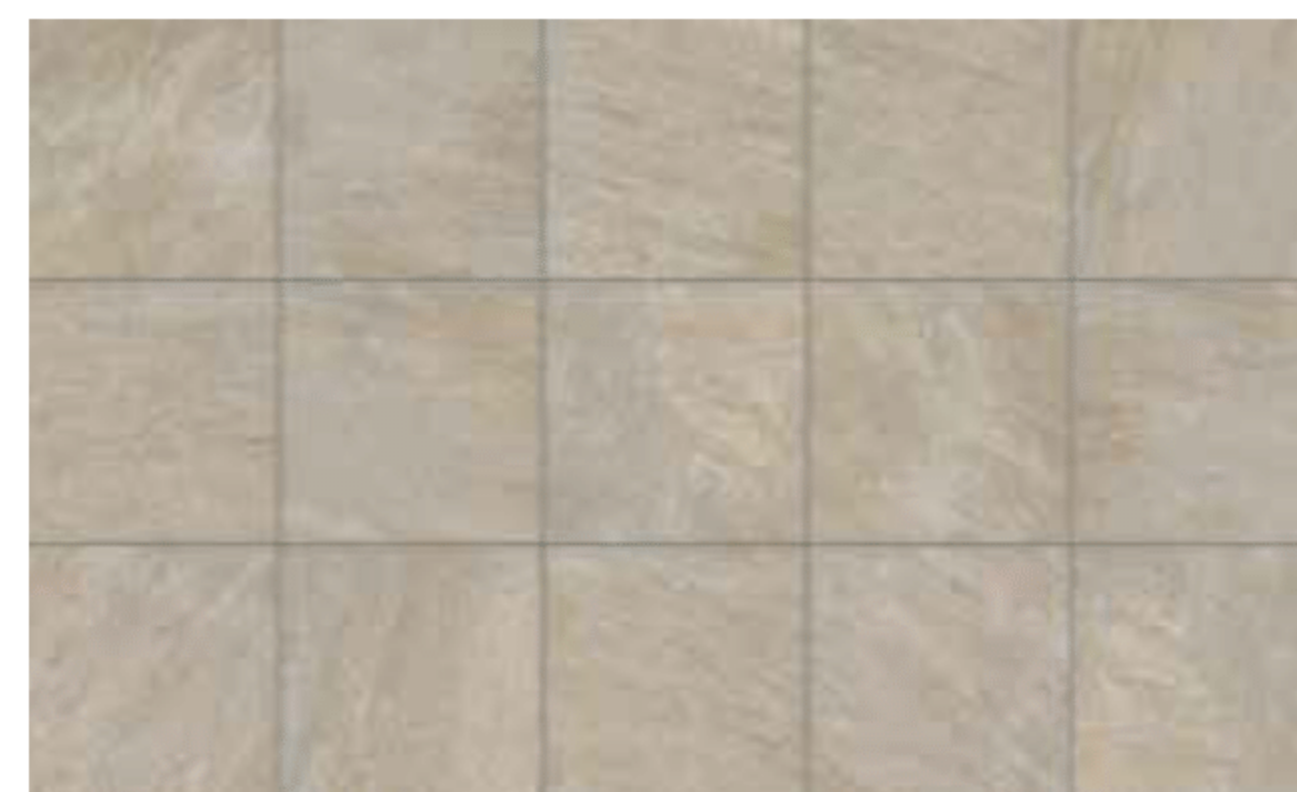


60x60
24"x24"

40x80
16"x32"

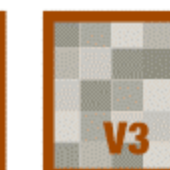
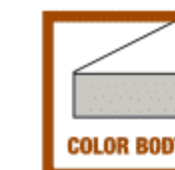


CODE	DIMENSION	m ² /PLT	kg/PLT	NOTE
000269	60 x 60 x 3 cm	15,84	1090	NATURAL
000263	40 x 80 x 3 cm	17,28	1200	NATURAL
000269RET	60 x 60 x 3 cm	15,84	1090	RECTIFIED



3^{CM}

PIETRA GRIGIONI



60x60
24"x24"



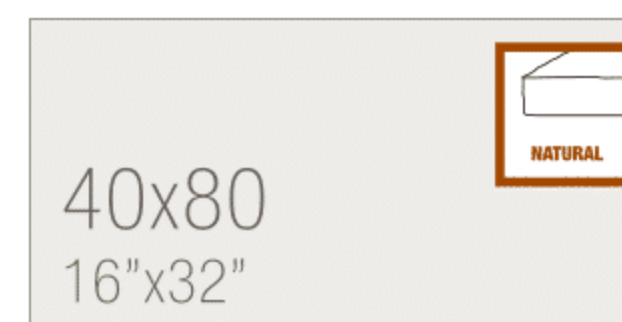
40x80
16"x32"

CODE	DIMENSION	m ² /PLT	kg/PLT	NOTE
000268	60 x 60 x 3 cm	15,84	1090	NATURAL
000262	40 x 80 x 3 cm	17,28	1200	NATURAL
000268RET	60 x 60 x 3 cm	15,84	1090	RECTIFIED



3
CM

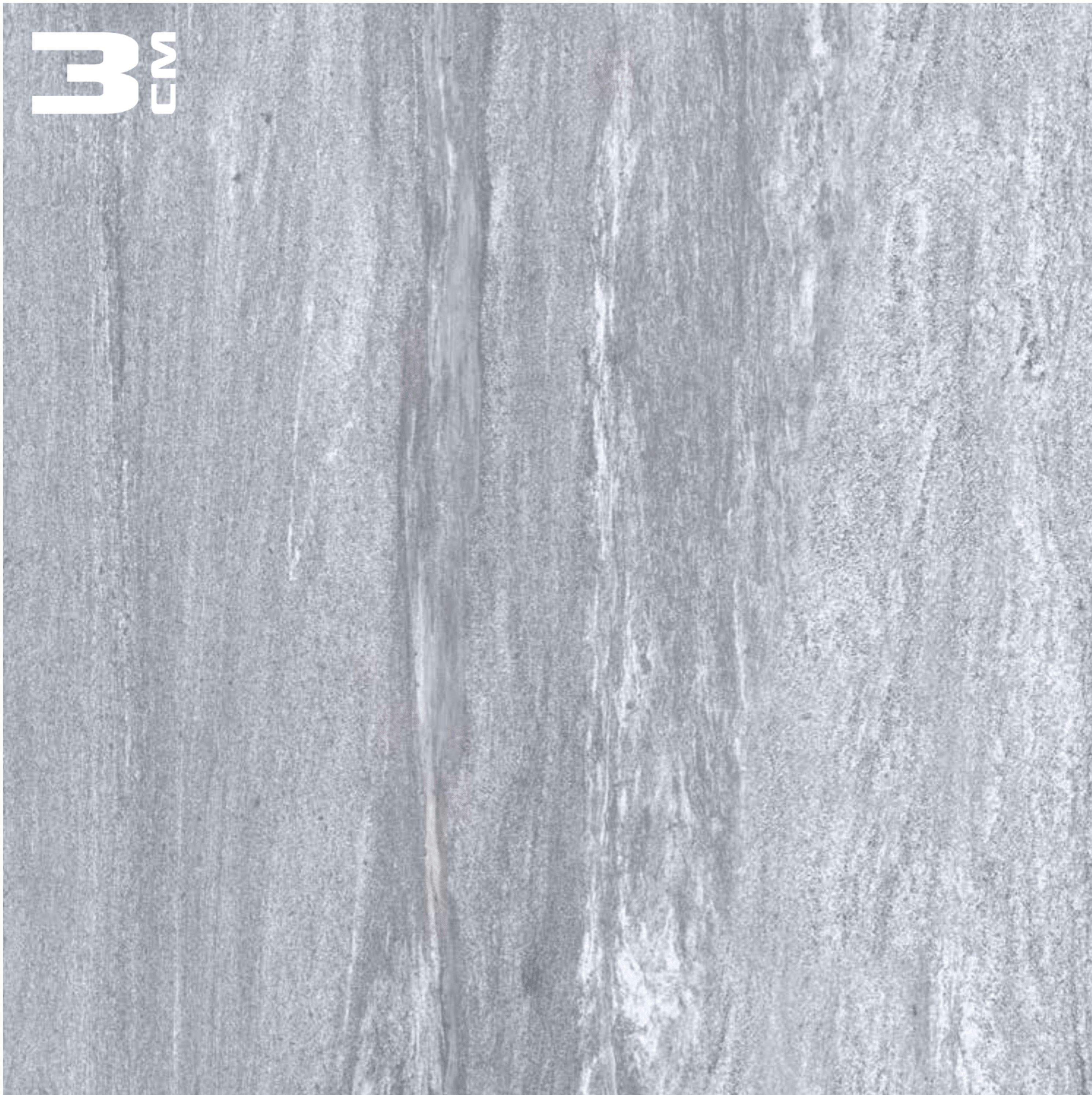
PIETRA ANTRAZYT



CODE	DIMENSION	m ² /PLT	kg/PLT	NOTE
000258	40 x 80 x 3 cm	17,28	1200	NATURAL



3
CM



PIETRA

TIPOVALS



40x60
16"x24"

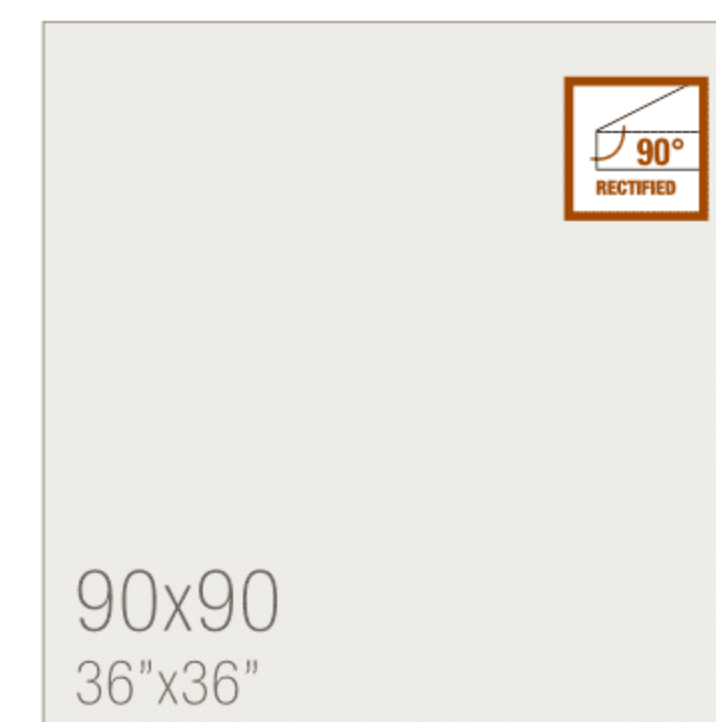
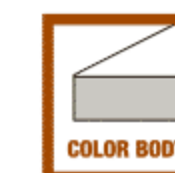


CODE	DIMENSION	m ² /PLT	kg/PLT	NOTE
010105	40 x 60 x 3 cm	14,4	1000	NATURAL



3CM

PIETRA NOCCIOLA

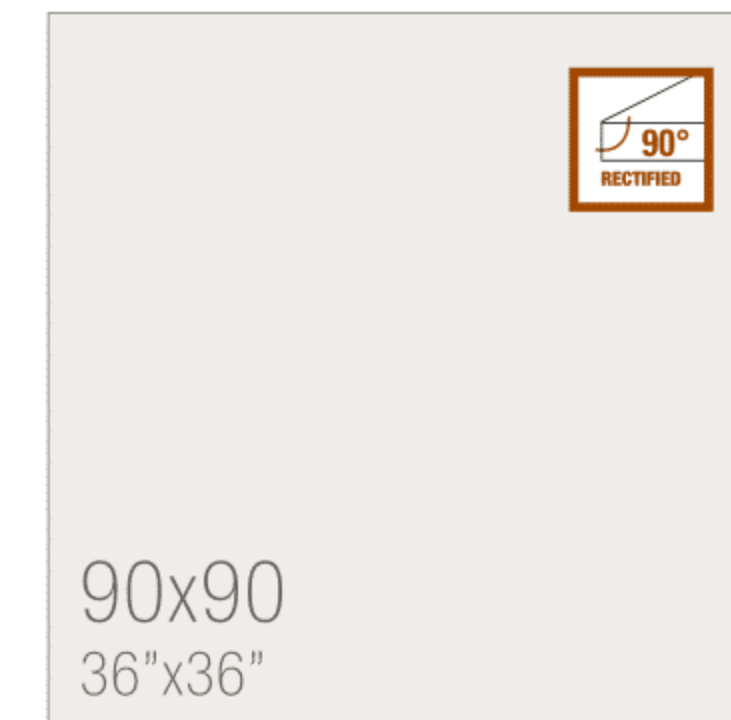
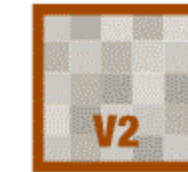
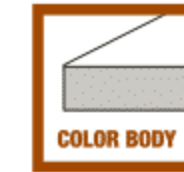


CODE	DIMENSION	m ² /PLT	kg/PLT	NOTE
000351RET	90 x 90 x 3 cm	16,20	1125	RECTIFIED

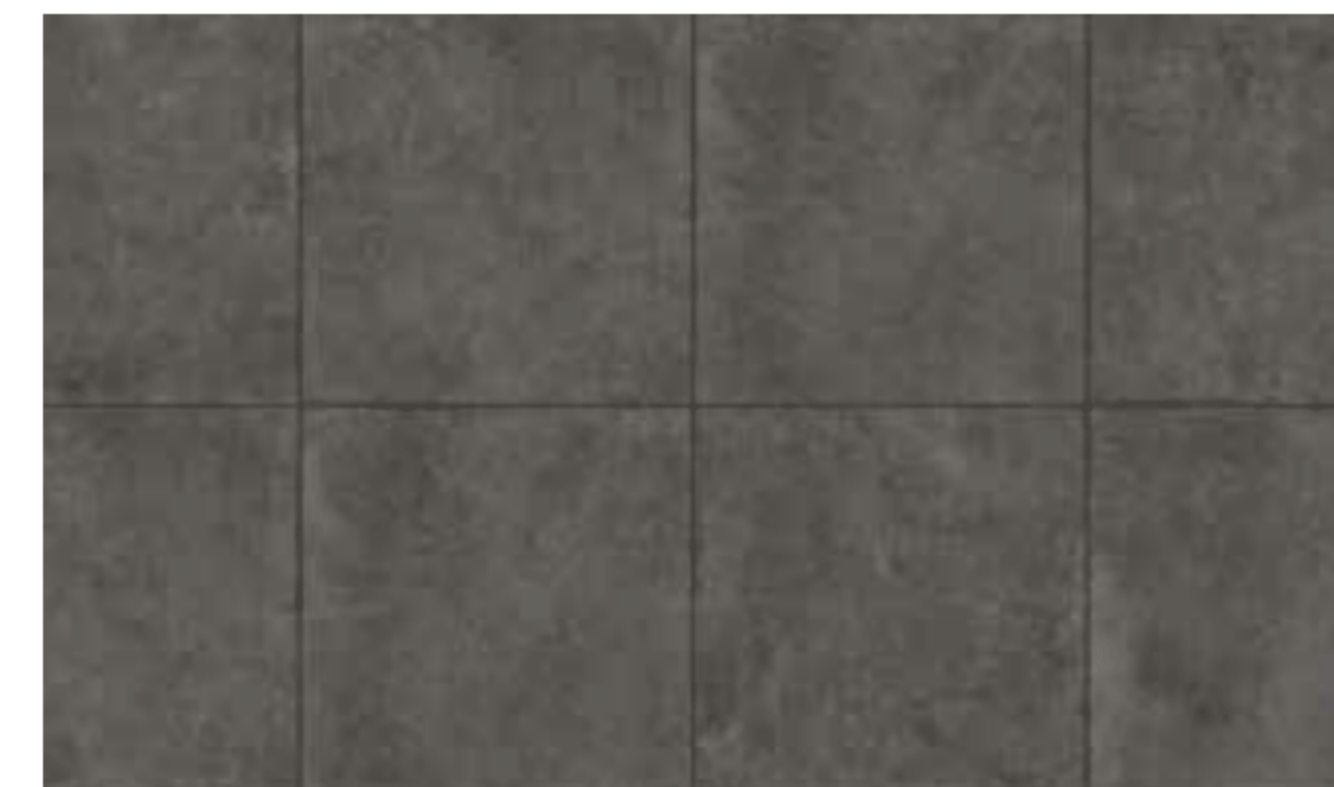


3
CM

PIETRA BLACK

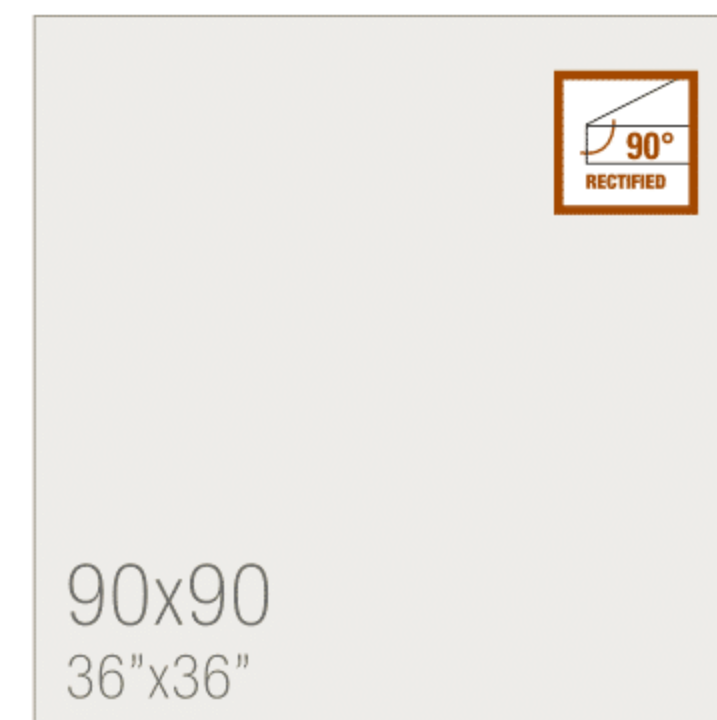


CODE	DIMENSION	m ² /PLT	kg/PLT	NOTE
000349RET	90 x 90 x 3 cm	16,20	1125	RECTIFIED



3
CM

PIETRA ANTICO BIANCO



CODE	DIMENSION	m ² /PLT	kg/PLT	NOTE
000352RET	90 x 90 x 3 cm	16,20	1125	RECTIFIED



3
CM

PIETRA MOON



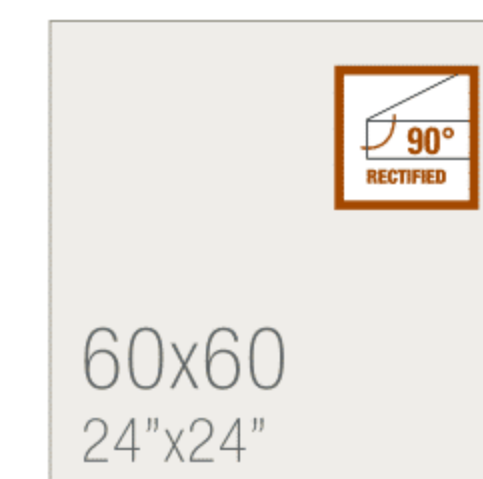
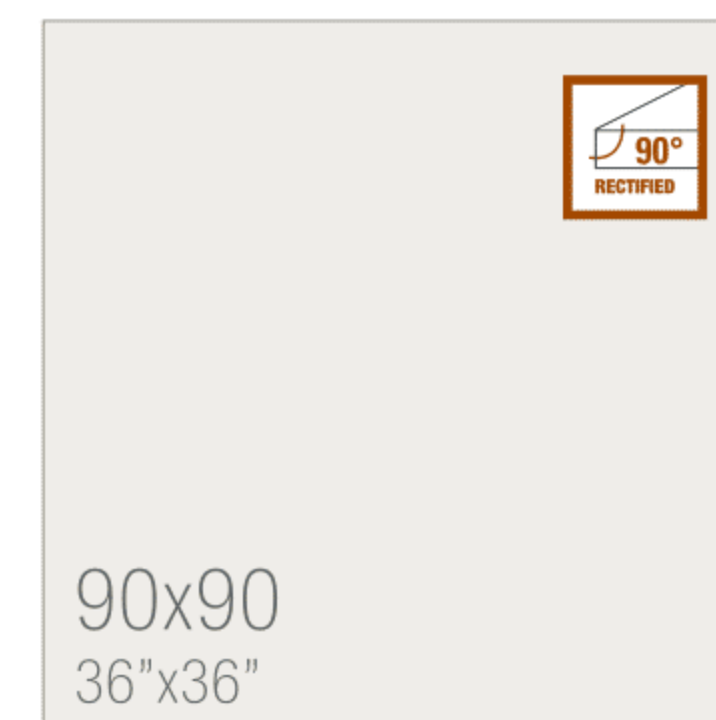
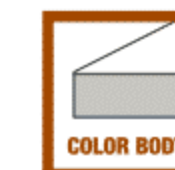
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000350RET	90 x 90 x 3 cm	16,20	1125	RECTIFIED



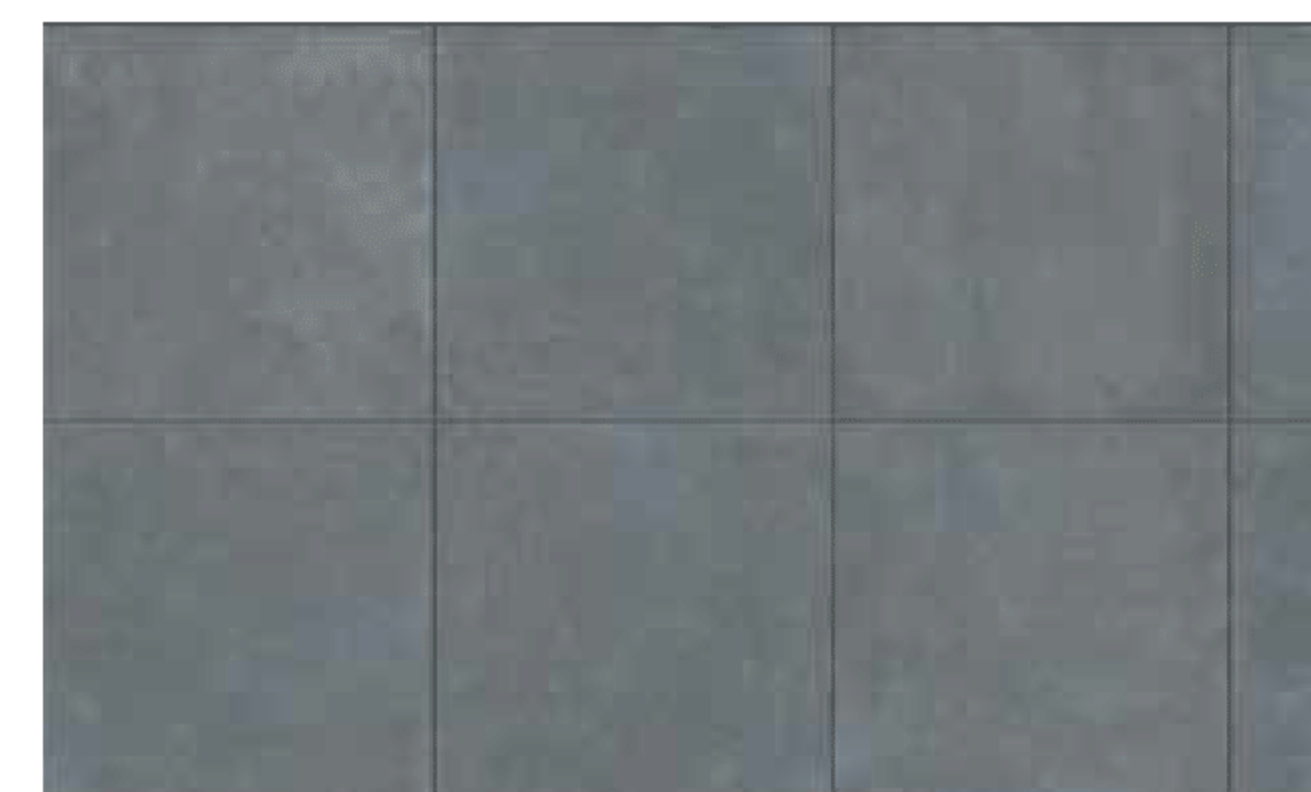
3
CM

BASIC

BERGAMO

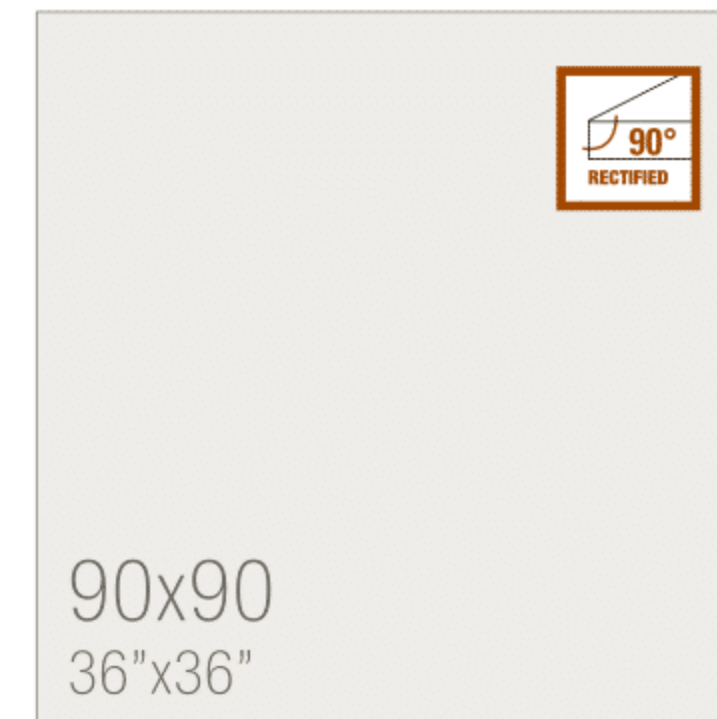
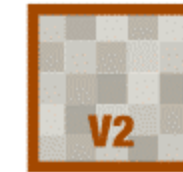
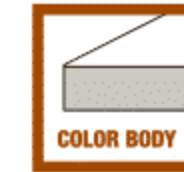


CODE	DIMENSION	m ² /PLT	kg/PLT	NOTE
000405RET	90 x 90 x 3 cm	16,20	1125	RECTIFIED
000408RET	60 x 60 x 3 cm	15,84	1090	RECTIFIED



3
CM

BASIC AMALFI



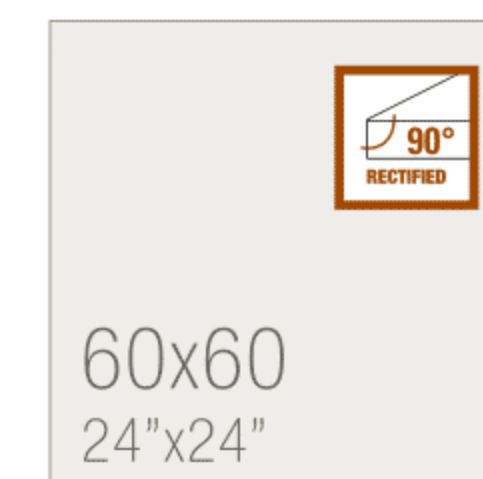
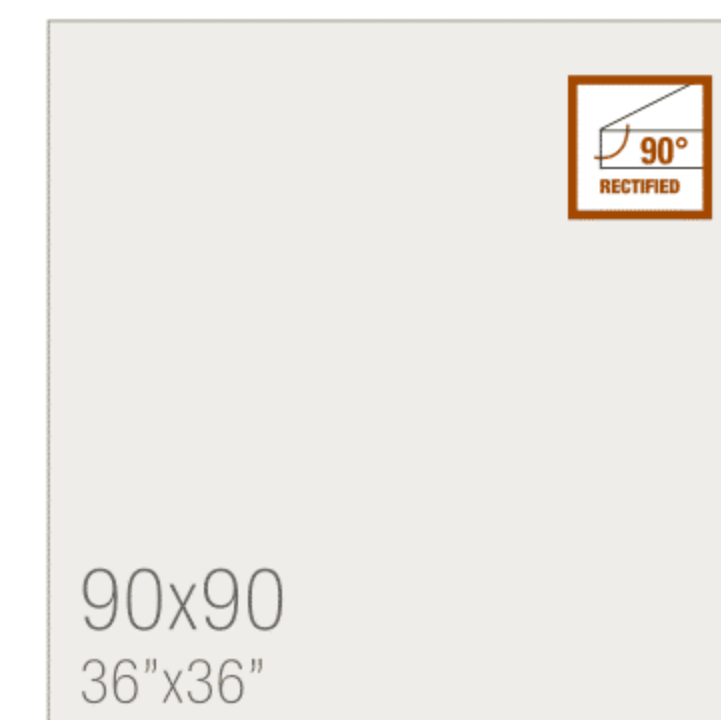
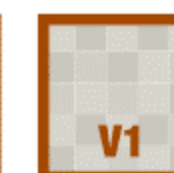
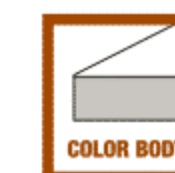
CODE	DIMENSION	m ² /PLT	kg/PLT	NOTE
000406RET	90 x 90 x 3 cm	16,20	1125	RECTIFIED
000409RET	60 x 60 x 3 cm	15,84	1090	RECTIFIED



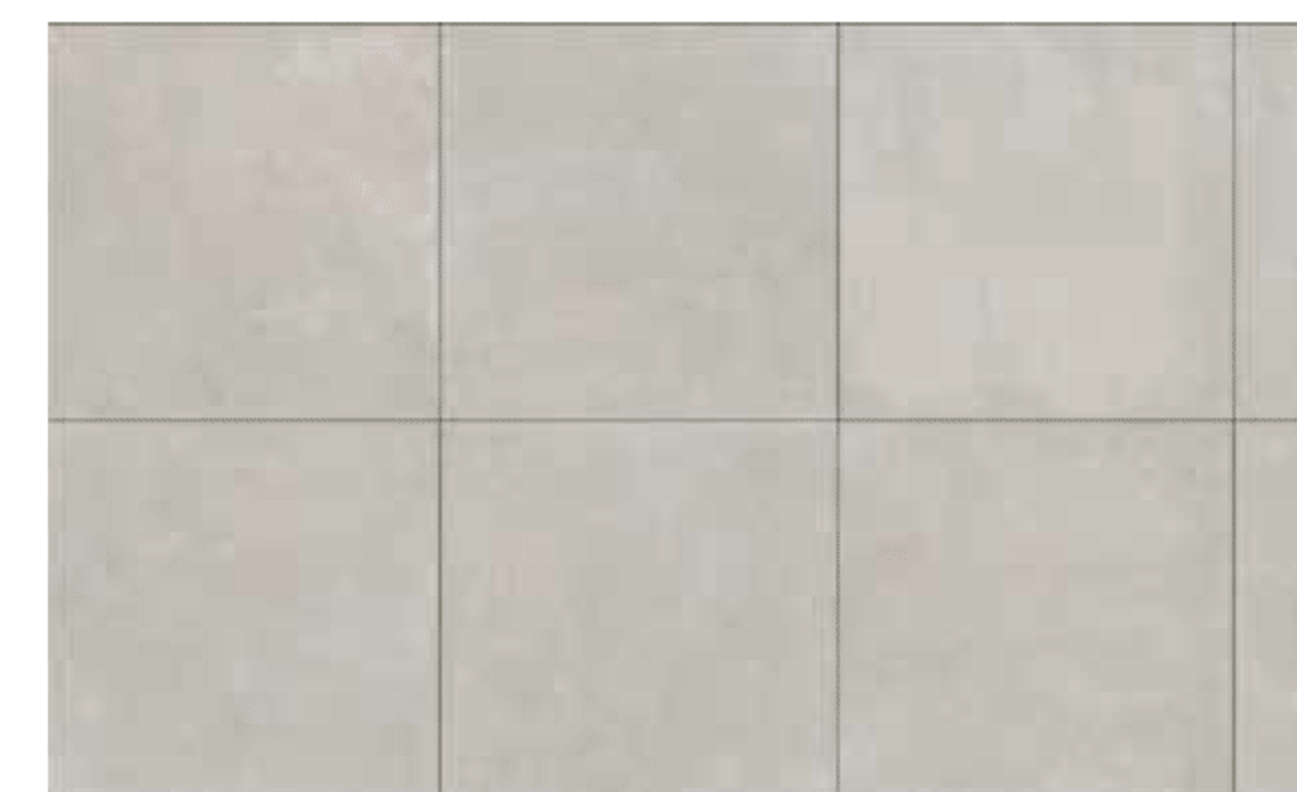
3CM

BASIC

GINEVRA



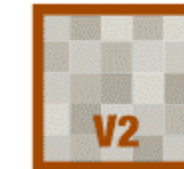
CODE	DIMENSION	m ² /PLT	kg/PLT	NOTE
000407RET	90 x 90 x 3 cm	16,20	1125	RECTIFIED
000410RET	60 x 60 x 3 cm	15,84	1090	RECTIFIED



3
CM

BASIC

AVIGNONE



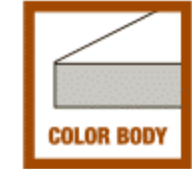
60x60
24"x24"

CODE	DIMENSION	m ² /PLT	kg/PLT	NOTE
000411RET	60 x 60 x 3 cm	15,84	1090	RECTIFIED



3 CM

FORESTA SCURO



40x80
16"x32"

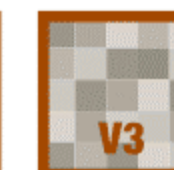


CODE	DIMENSION	m ² /PLT	kg/PLT	NOTE
000271	40 x 80 x 3 cm	17,28	1200	NATURAL
000271RET	40 x 80 x 3 cm	17,28	1200	RECTIFIED




3 CM

FORESTA CHIARO



40x80
16"x32"



CODE	DIMENSION	m ² /PLT	kg/PLT	NOTE
000270	40 x 80 x 3 cm	17,28	1200	NATURAL
000270RET	40 x 80 x 3 cm	17,28	1200	RECTIFIED













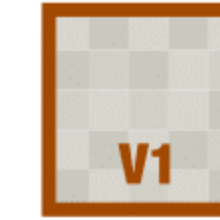


FORESTA CHIARO

TECHNICAL FEATURES

TECHNISCHE DATEN - CARACTERISTIQUES TECHNIQUES - CARATTERISTICHE TECNICHE

FEATURE DATEN CARACTÉRISTIQUE CARATTERISTICA	TECHNICAL FEATURES TECHNISCHE DATEN CARACTÉRISTIQUES TECHNIQUES CARATTERISTICHE TECNICHE	STANDARD NORM NORME NORMA	ESTABLISHED LIMITS VORGESEHENE GRENZWERTE LIMITES ÉTABLIES LIMITI PREVISTI	SUPER HARD KERAMIK 3CM®	
REGULARITY REGELMÄSSIGKEIT RÉGULARITÉ REGOLARITÀ	 LENGHT AND WIDTH LÄNGE UND BREITE LONGUEUR ET LARGEUR LUNGHEZZA E LARGHEZZA	ISO 10545-2	± 0.6 %	COMPLYING ERFÜLLT CONFORME CONFORME	
	 THICKNESS DICKE ÉPAISSEUR SPESSORE	ISO 10545-2	± 5.0 %	COMPLYING ERFÜLLT CONFORME CONFORME	
	 RECTANGULARITY RECHTWINKLIGKEIT PERPENDICULARITÉ ORTOGONALITÀ	ISO 10545-2	± 0.6 %	COMPLYING ERFÜLLT CONFORME CONFORME	
	 STRAIGHTNESS OF SIDES GERADLINIGKEIT DER KANTEN RECTITUDE DES ARETES RETTILINEITÀ DEGLI SPIGOLI	ISO 10545-2	± 0.5 %	COMPLYING ERFÜLLT CONFORME CONFORME	
	 SURFACE FLATNESS EBENFLÄCHIGKEIT PLANEITE DE SURFACE PLANARITÀ	ISO 10545-2	± 0.5 %	COMPLYING ERFÜLLT CONFORME CONFORME	
STRUCTURAL STRUKTURELL STRUCTURAL STRUTTURALE	 WATER ABSORPTION WASSERAUFNAHME ABSORPTION D'EAU ASSORBIMENTO D'ACQUA	ISO 10545-3	≤ 0.5 %	COMPLYING ERFÜLLT CONFORME CONFORME	
		BREAKING STRENGHT BRUCHKRAFT FORCE DE RUPTURE SFORZO DI ROTTURA	ISO 10545-4	≥ 1300 N	>29000 N
		MODULUS OF RUPTURE BRUHLAST MODULE DE RUPTURE MODULO DI ROTTURA	ISO 10545-4	≥ 35 N/mm ²	>50 N/mm ²
	CLASSIFICATION EINSTUFUNG CLASSIFICATION CLASSIFICAZIONE	EN1339	VALUE DECLARED ERKLÄRTER WERT VALEUR DÉCLARÉE VALORE DICHIARATO	U30	
THERMAL HYGROMETRIC THERMAL HYGROMETRISCH THERMIQUE HYGROMÉTRIQUE TERMO IGROMETRICHE	 FROST RESISTANCE FROSTBESTÄNDIGKEIT RÉSISTANCE AU GEL RESISTENZA AL GELO	ISO 10545-12	TEST PASSED TEST BESTANDEN TEST RÉUSSI TEST SUPERATO	GUARANTEED GARANTIERT GARANTI GARANTITO	
CHEMICAL CHEMISCH CHIMIQUE CHIMICA	 CONTENT OF LEAD AND CADMIUM INHALT VON BLEI UND CADMIUM CONTENU DU PLOMB ET DU CADMIUM CONTENUTO DI PIOMBO E CADMIO	ISO 10545-15	VALUE DECLARED ERKLÄRTER WERT VALEUR DÉCLARÉE VALORE DICHIARATO	ABSENT ABWESEND ABSENT ASSENTE	
SAFETY SICHERHEIT SÉCURITÉ SICUREZZA	 SKID RESISTANCE RUTSCHHEMMUNG RÉSISTANCE AU GLISSEMENT RESISTENZA ALLO SCIVOLAMENTO	DIN 51130	VALUE DECLARED ERKLÄRTER WERT VALEUR DÉCLARÉE VALORE DICHIARATO	R11	



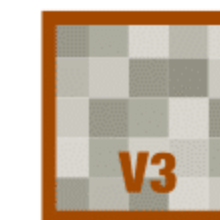
LIGHT COLOUR VARIATION

Geringe Farbunterschiede
Variation chromatique basse
Bassa variazione cromatica



MEDIUM COLOUR VARIATION

Mittlere Farbunterschiede
Variation chromatique moyenne
Media variazione cromatica



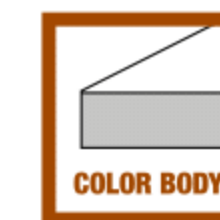
HIGH COLOUR VARIATION

Starke Farbunterschiede
Variation chromatique haute
Alta variazione cromatica



GUARANTEED ANTI-SLIP R11

R11 Rutschbeständigkeitsgewähr R11
Antidérapant garanti R11
Garanzia antiscivolo R11



COLOURED MIXTURE

Eingefärbte Mischung
Gâchage coloré
Impasto colorato



HOMOGENEOUS MIXTURE THROUGHOUT ALL PLATE MASS

Einheitliche Mischung in der gesamten Steinmasse
Gâchage homogène dans toute la masse de la plaque
Impasto omogeneo in tutta la massa della piastra



NATURAL CURBS

Natürliche Ränder
Bords naturels
Bordi naturali



RECTIFIED WITH BEVEL

Richtig mit Abschrägung
Rectifié avec biseauter
Rettificato con smusso

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KERAMIK 3 UM

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