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Stone Look

# Pennslate

## Overview



ENERGIEKER



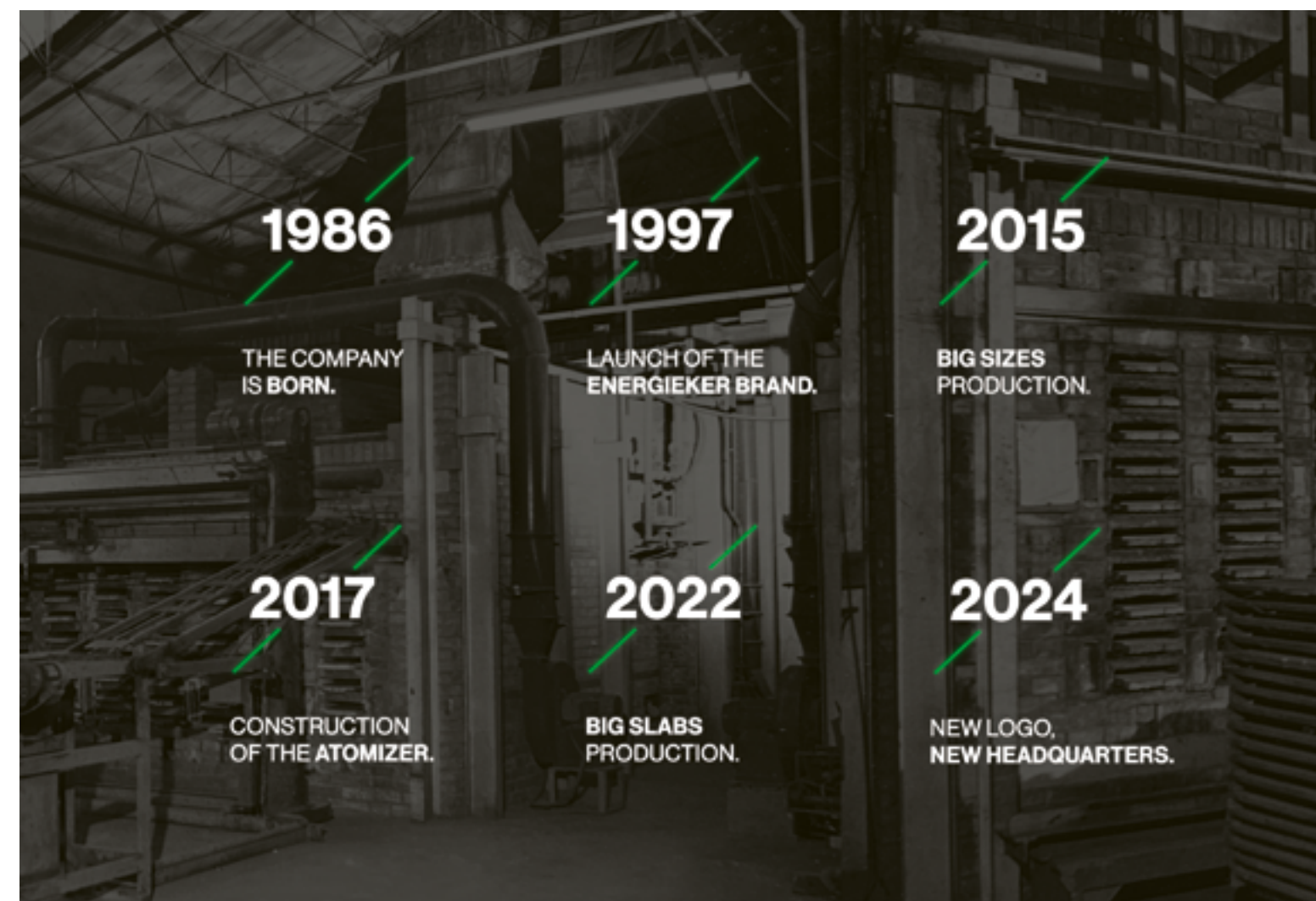
# Confidence in the future

Fiducia nel futuro.



# Italian ceramic excellence

Eccellenza ceramica italiana.



## Energieker: an international protagonist of Made in Italy in the ceramic sector

Energieker: protagonista internazionale del Made in Italy ceramico

**Energieker represents the synthesis of a long ceramic history. The brand was established in 1997, revitalizing an industrial reality that had been active since 1986. Over time, it has solidified its position in the high-end market, becoming an international protagonist of Made in Italy ceramics.**

**Today, we channel the same passion as always into pursuing excellence in surfaces, efficient industrial processes, and effective technical solutions, looking toward the future with optimism and confidence.**

Energieker è la sintesi di una lunga storia ceramica. Il marchio è nato nel 1997 dal rilancio di una realtà industriale attiva dal 1986. Nel corso del tempo si è consolidato nella fascia alta del mercato, fino a diventare un protagonista internazionale del Made in Italy ceramico. Oggi mettiamo la stessa passione di sempre nella ricerca di superfici di eccellenza, processi industriali efficienti, soluzioni tecniche efficaci, per guardare al domani con ottimismo e fiducia.





**New ceramic solutions, product quality, international vision, and reliability in relationships with partners.**

Nuove soluzioni ceramiche, qualità del prodotto, visione internazionale e affidabilità nelle relazioni con i partner.

**The values that drive our actions have been the pillars of our company's DNA since its founding: innovation in processes, commitment to environmental sustainability, pursuit of new ceramic solutions, product quality, reliability in partner relationships, and an international vision.**

I valori che guidano la nostra azione costituiscono i pilastri del DNA aziendale sin dalla fondazione: innovazione dei processi, impegno per la sostenibilità ambientale, ricerca di nuove soluzioni ceramiche, qualità del prodotto, affidabilità nelle relazioni con i partner, visione internazionale.

**In recent years, a significant investment plan has equipped our facilities with a production line for large porcelain stoneware slabs. Today, our plants are a hub of the best ceramic technology, offering production efficiency and managerial effectiveness, with optimized consumption and reduced emissions.**

Negli ultimi anni, un ingente piano di investimenti ha completato i nostri impianti con una linea per la produzione di grandi lastre in gres porcellanato. Oggi i nostri stabilimenti sono un concentrato della migliore tecnologia ceramica in termini di efficienza produttiva ed efficacia gestionale, con ottimizzazione dei consumi e delle emissioni.

# Numbers matter

Numeri che contano.

- ▶ SINCE **1986**
- ▶ TURNOVER\* **110 mln €**
- ▶ EMPLOYEES AND COLLABORATORS **+330**
- ▶ WORLDWIDE PRESENCE **+100 countries**
- ▶ HEADQUARTERS AREA **2,500 sqm**
- ▶ TOTAL PRODUCTION AREA **263,000 sqm**
- ▶ ANNUAL PRODUCTION\* **+12 mln sqm**
- ▶ PRODUCTS RANGE **+80 | +3,000**  
Collections | Product items in catalog

\* Year 2023

# A complete system of porcelain surfaces

Un sistema completo di superfici in gres porcellanato.

## EK COLLECTIONS

Floor and wall design  
Design per pareti e pavimenti

## EKXTREME

Large format thinking  
Pensare in grande formato

## TOP SOLUTION

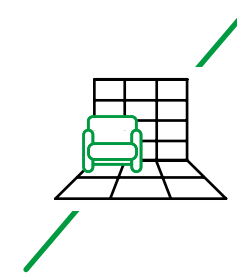
Quality furniture and accessories  
Arredi e accessori di qualità

## TH2.OUTDOOR SOLUTION

Outdoor design  
Design per esterni

# Versatile solutions for every application

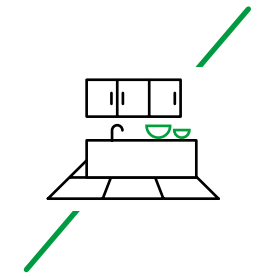
Soluzioni versatili per ogni applicazione.



**Interior walls and floors**  
Pareti e pavimenti interni



**Outdoors and pools**  
Esterni e piscine



**Countertops and furniture**  
Banconi e arredi



**Sinks**  
Lavabi



**Exterior facades**  
Facciate esterne



**For us, sustainability is a crucial concept: over 5 MWh of self-produced energy, 100% recycling of water and production waste, international certifications, workplace safety, employee well-being, and a dedicated logistics hub. This translates into a sustainable regional presence and a virtuous circle between the company, designers, clients, and end-users.**

Per noi la sostenibilità è un concetto concreto: oltre 5 MWh di energia autoprodotta, riciclo del 100% dell'acqua e degli scarti di lavorazione, certificazioni internazionali, sicurezza sul luogo di lavoro, attenzione al benessere dei dipendenti, polo logistico. Tutto questo si traduce in una presenza sostenibile sul territorio e in un circolo virtuoso tra azienda, progettisti, clienti e utilizzatori finali.



# A tangible commitment to sustainability

A virtuous circle between the company, designers, and end-users  
Un circolo virtuoso tra azienda, progettisti, clienti e utilizzatori finali



放射性水平 = A 类  
Certificazione CCC  
CCC Certification  
Certification CCC  
CCC Zertifizierung



Declare.

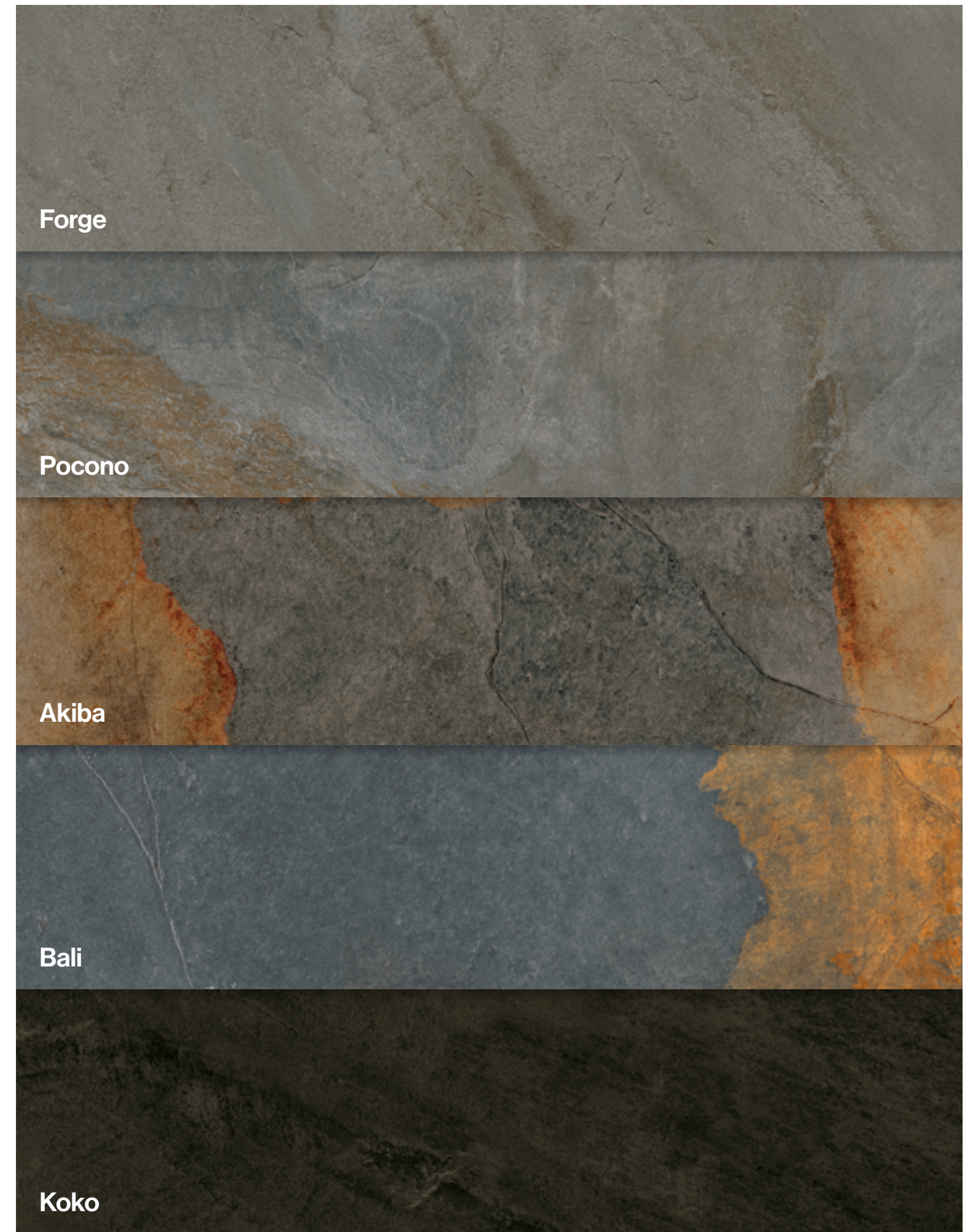


# Pennslate

Expect the unexpected



FLOOR Akiba 30x60 .12"x24" | Akiba 60x120 .24"x48" TH2.0



Forge




Pocono

Akiba

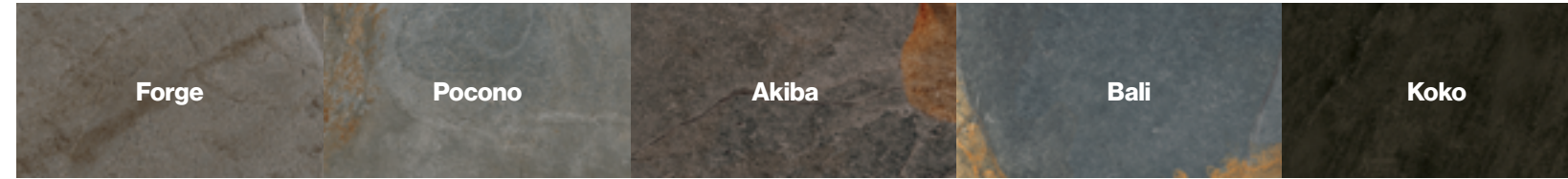
Bali




Koko

# Pennslate

**Porcelain stoneware coloured in body**  
 Gres porcellanato colorato in massa  
 Grès cérame coloré dans la masse  
 Eingefärbtes Feinsteinzeug

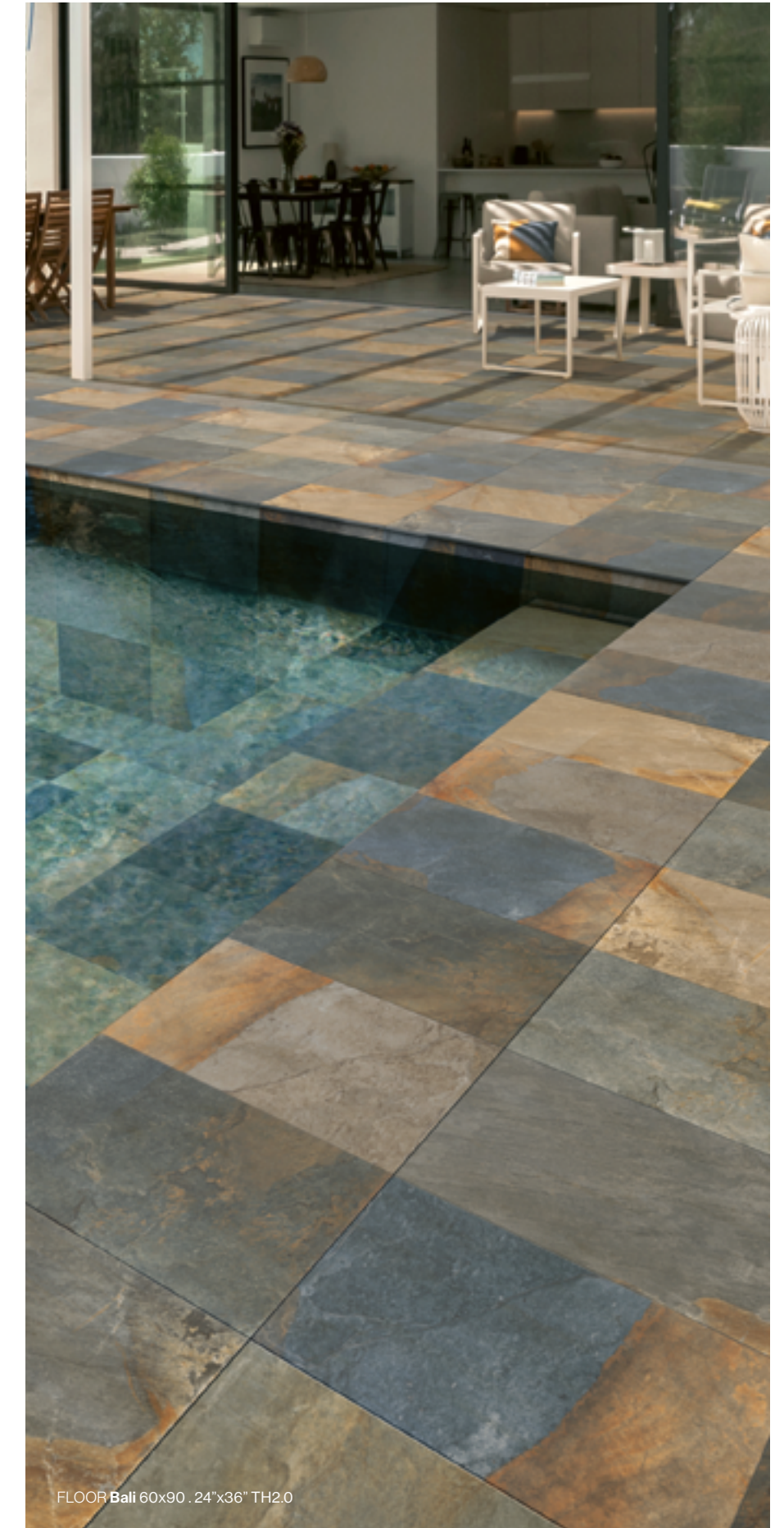


Size Formato	Finishes Finiture	Price code sqm Codice prezzo m <sup>2</sup>	Forge	Pocono	Akiba	Bali	Koko
 <b>60x120</b> 24"x48" ±9 mm	Rectified Rettificato	144	•	•	•	•	•
	Antislip Sabbiato	145	•	•	•	•	•
 <b>30x60</b> 12"x24" ±9 mm	Rectified Rettificato	137	•	•	•	•	•
	BATTISCOPA <b>6,5x120</b> 2 5/8"x48"	Rectified Rettificato	120*	•	•	•	•
 <b>7,5x60</b> 3"x24"	Rectified Rettificato	106*	•	•	•	•	

\* Price code / pc. Codice prezzo / pz.



FLOOR Akiba 60x120 . 24"x48" TH2.0



FLOOR Bali 60x90 . 24"x36" TH2.0



# Pennslate

**V3**  
Rectified  
Rettificato  
Rectifié  
Rektifiziert

**R10**  
Rectified  
Rettificato  
Rectifié  
Rektifiziert

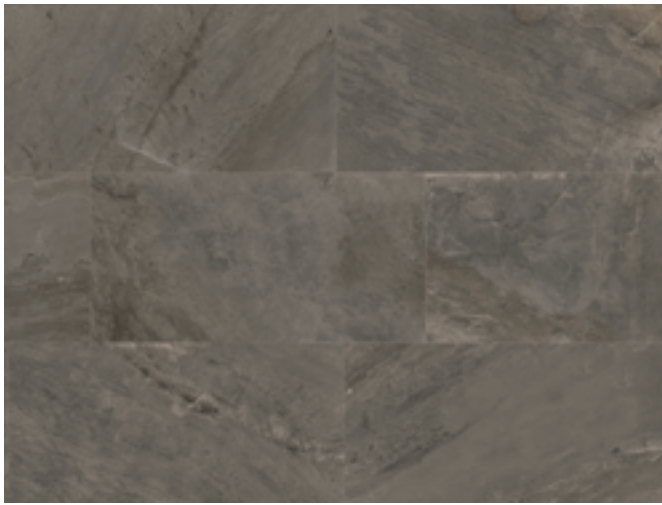
**R11**  
Antislip  
Sabbietto  
Anti-dérapant  
Gesandet

**Porcelain stoneware coloured in body**  
Gres porcellanato colorato in massa  
Grès cérame coloré dans la masse  
Eingefärbtes Feinsteinzeug

### Pattern variation.

Sviluppo grafico. Développement graphique par format. Farbverlauf.

**Forge**



60x120 24"x48"

**Pocono**



60x120 24"x48"

**Akiba**



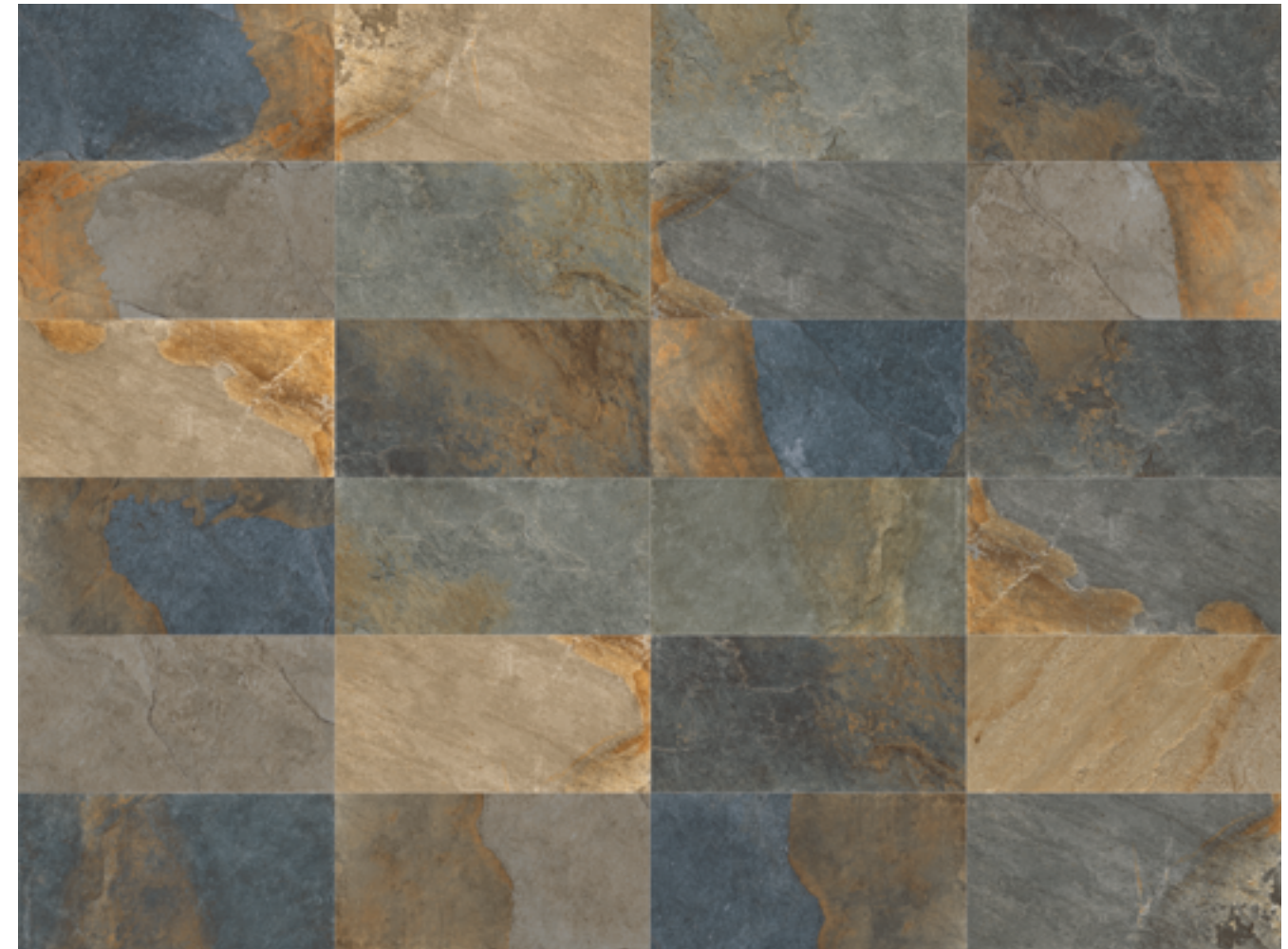
60x120 24"x48"

**Koko**



60x120 24"x48"

**Bali**



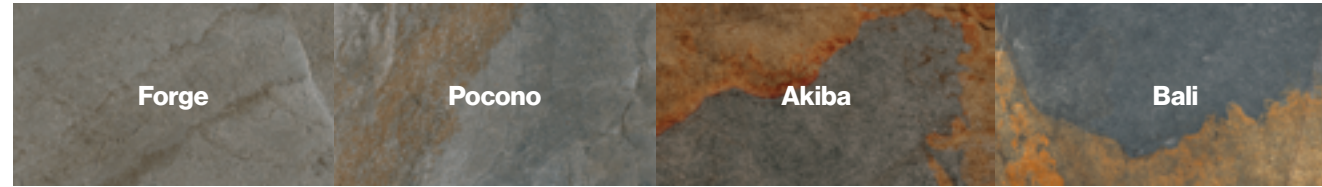
60x120 24"x48"

# TH2.0

## Outdoor Solution



Porcelain stoneware coloured in body  
 Gres porcellanato colorato in massa  
 Grès cérame coloré dans la masse  
 Durchgefärbtes Feinsteinzeug



Size Formato	Finishes Finiture	Price code sqm Codice prezzo m <sup>2</sup>	Forge	Pocono	Akiba	Bali
<b>60x120</b> 24"x48" ±20 mm	Rectified Rettificato	155	•	•	•	•
<b>60x90</b> 24"x36" ±20 mm	Rectified Rettificato	157	•		•	•
<b>60x60</b> 24"x24" ±20 mm	Rectified Rettificato	151	•	•	•	•



# Technical specifications of porcelain

Conforming to european standards en 14411 appendice g gruppo Bla con  $e \leq 0,5 \%$

Caratteristiche tecniche Gres porcellanato - conformi a norme europee en 14411 appendice G gruppo Bla con  $e \leq 0,5 \%$

Caracteristiques techniques du grès cérame - conformes aux normes européennes EN 14411 appendice G gruppo Bla con  $e \leq 0,5 \%$

Technische eigenschaften für feinsteinzeug - gemäß den europäischen normen EN 14411 appendice G gruppo Bla con  $e \leq 0,5 \%$

PHYSICAL PROPERTIES CARATTERISTICA TECNICA CARACTERISTIQUE TECHNIQUE TECHNISCHE DATEN		TESTING METHOD METODO DI PROVA NORME D'ESSAIS PRÜFVERFAHREN		REFERENCE STANDARD RIFERIMENTO NORMA REFERENCE NORME STANDARDWERT			PRODUCT VALUES VALORE PRODOTTO VALEUR/PRODUIT PRODUKT WERTE	
<b>Sizes</b> Dimensioni Dimensions Abmessungen				7cm ≤ N < 15 cm (mm)	N ≥ 15 cm (%) (mm)		Natural not rectified	Rectified and high gloss LCP
		EN ISO 10545-2	<b>Length and width</b> / Lunghezza e larghezza Longuer et largeur / Länge und Breite	±0.9	±0.6	±2.0	<b>Conforming</b> Conforme Conforme Erfüllt	<b>Conforming</b> Conforme Conforme Erfüllt
			<b>Thickness</b> / Spessore / Épaisseur / Stärke	±0.5	±5.0	±0.5		
			<b>Linearity</b> / Rettineità spigoli Rectitude des arêtes / Kantengeradheit	±0.75	±0.5	±1.5		
			<b>Wedging</b> / Ortogonalità / Orthogonalité / Rechtwinkligkeit	±0.75	±0.5	±2.0		
	<b>Warpage</b> / Planarità / Planéité / Ebenfächigkeit		±0.75	±0.5	±2.0			
	<b>Appearance: percentage of acceptable tiles, per lot</b> Aspetto: percentuale di piastrelle accettabili nel lotto Aspect: pourcentage de carreaux acceptables sur la fourniture totale Oberflächenbeschaffenheit: Prozentsatz der Fliesen, die den geforderten Eigenschaften entsprechen		95 % min.	95 % min.	-			
<b>Water absorption %</b> Assorbimento d'acqua % Absorption d'eau % Wasseraufnahme %		EN ISO 10545-3	E ≤ 0,5% (individual value Max. 0,6%)			<b>Conforming</b> Conforme Conforme Erfüllt		
	<b>Breakage resistance</b> Sforzo di rottura Résistance à la rupture Bruchlast		EN ISO 10545-4	medium value ≥ 35 N/mm² (individual value Min. 32 N/mm2) sp. ≤ 7,5 mm: min 700 N sp. ≥ 7,5 mm: min 1300 N			<b>Conforming</b> Conforme Conforme Erfüllt	
<b>Scratch resistance</b> Resistenza all'abrasione profonda Résistance à l'abrasion Bestimmung des Widerstandes gegen tiefen Verschleiß			EN ISO 10545-6	175 mm3 max.			<b>Average</b> / Medio Moyenne / Mittelwert <175 mm3	
	<b>Abrasion resistance</b> Resistenza all'abrasione Résistance à l'abrasion Widerstand gegen Verschleiss		EN ISO 10545-7	<b>Required</b> Richiesta Requise Gefordert			II - V	
<b>Thermal expansion coefficient</b> Coefficiente di dilatazione termica lineare Coefficient de dilatation thermique linéaire Wärmeausdehnung			EN ISO 10545-8	<b>Declared value</b> Valore dichiarato Valeur déclarée Angegabener Wert			6,5x10 <sup>-6</sup> °C	
	<b>Thermal shock resistance</b> Resistenza agli sbalzi termici Résistance aux écarts de température Temperaturwechselfähigkeit		EN ISO 10545-9	<b>Pass according to iso 10545-1</b> Test superato in accordo con iso 10545-1 Pv en accord avec norme en 10545-1 Test ueberstanden nach ISO 10545-1			<b>Resistant</b> Resistente Résistants Widerstandsfähig	
<b>Frost resistance</b> Resistenza al gelo Résistance au gel Frostbeständigkeit			EN ISO 10545-12	<b>Pass according to iso 10545-1</b> Test superato in accordo con iso 10545-1 Pv en accord avec norme en 10545-1 Test ueberstanden nach ISO 10545-1			<b>Resistant</b> Resistente Résistants Widerstandsfähig	
	<b>Resistance to low concentrations of acids and alkali</b> Resistenza a basse concentrazioni di acidi e alcali Résistance à des basses concentrations d'acides et bases Beständigkeit gegen schwach konzentrierte Säuren und Laugen		EN ISO 10545-13	<b>Declared value</b> Valore dichiarato Valeur déclarée Angegabener Wert			<b>See single tile picture</b> Vedi il minimale Voir sous du carreau photo Siehe einzelnen Abbildungen	
<b>Resistance to high concentrations of acids and alkali</b> Resistenza ad alte concentrazioni di acidi e alcali Résistance à des hautes concentrations d'acides et bases Beständigkeit gegen stark konzentrierte Säuren und Laugen		<b>Declared value</b> Valore dichiarato Valeur déclarée Angegabener Wert			<b>See single tile picture</b> Vedi il minimale Voir sous du carreau photo Siehe einzelnen Abbildungen			
		<b>Resistance to domestic chemicals and additives for swimming pools</b> Resistenza ai prodotti chimici di uso domestico e agli additivi per piscina Résistance aux prod. chimiques d'usage domestique et additifs pour piscines Beständigkeit gegen chemische Haushaltsreiner und Zusatzstoffe für schwimmbäder			B min.			<b>See single tile picture</b> Vedi il minimale Voir sous du carreau photo Siehe einzelnen Abbildungen
<b>Color resistance to light</b> Resistenza dei colori alla luce Résistance des couleurs à la lumière Lichtbeständigkeit		DIN 51094	<b>No noticeable color change</b> Non devono presentare apprezzabili variazioni di colore Ne doivent pas présenter de variations importantes des couleurs Die Muster dürfen keine sichtbaren Farbveränderungen aufweisen			<b>No alteration after testing</b> Materiale inalterato dopo il test Aucune altération relevée Keine Veränderung nach dem Test		
		EN 16165	<b>See single tile picture</b> / Vedi il minimale Voir sous du carreau photo / Siehe einzelnen					
		DIN 51097	<b>See single tile picture</b> / Vedi il minimale Voir sous du carreau photo / Siehe einzelnen					
	<b>Friction coefficient (slipperiness)</b> Coefficiente di attrito (Sciocosità) Coefficient de friction (Glissement) Reibungskoeffizient (Schlupfigkeit)		B.C.R.A D.M.236/89	<b>If needed</b> Doverchiesto Siemande Nach Anforderung				
			ASTM C1028-2007	<b>Available test</b> / Test disponibile Essai disponible / Pruefzeugnis verfügbar				
	ANSI A 137.1-2012	<b>See single tile picture</b> / Vedi il minimale Voir sous du carreau photo / Siehe einzelnen					<b>Available test</b> / Test disponibile Essai disponible / Pruefzeugnis verfügbar	

**It's advisable to refer Technical Division for all necessary guidelines to a correct use.** Si raccomanda di consultare Technical Division per le indicazioni necessarie al corretto utilizzo. Merci de consulter notre Technical Division pour les indications a un usage correct. Zur korrekten anwendung wird empfohlen unsere Technical Division zu kontaktieren.

**Technical details available on: [www.energieker.it](http://www.energieker.it)** Schede tecniche consultabili sul sito: [www.energieker.it](http://www.energieker.it)  
Technisches Datenblatt auf der Website: [www.energieker.it](http://www.energieker.it) Fiches techniques à consulter sur le site: [www.energieker.it](http://www.energieker.it)

# Weights and measures table

Pesi e misure. Tableau poids et mesures. Gewicht- und Maßtabelle.

Size Formato Format Format	Thickness Spessore Épaisseur Stärke	Pcs/Box Pz/Scatola Stk/Karton Pieces/Boîte	Sqm/Box Mq/Scatola Qm/Karton M²/Boîte	Kg/Box Kg/Scatola Kg/Karton Kg/Boîte	Box/Pallet Scatola/Pallet Karton/Palette Boîte/Palette	Sqm/Pallet Mq/Pallet Qm/Palette M²/Palette	Kg/Pallet Kg/Pallet Kg/Palette Kg/Palette	
9,9x30,2	RETT	9	26	0,78	14,50	60	46,80	873
9,5x57	RETT CHEVRON	9	14	0,76	13,93	48	36,48	688,64
15x30	CAMPIGIANE / ANTICHI AMORI	9,2	28	1,26	25,00	60	75,60	1520
15x30		8,2	32	1,44	25,00	60	86,40	1400
20x20		7,2	38	1,52	24,33	60	91,20	1480
20x40		8,2	20	1,60	28	48	76,80	1360
20x120	RETT *	9	5	1,20	22,70	48	57,60	1100
20x120	RETT *	6	7	1,68	24,19	48	80,64	1181
30x30	CAMPIGIANE / ANTICHI AMORI	9,2	14	1,26	25,33	60	75,60	1540
30x120	RETT *	9	4	1,44	28,60	39	56,16	1130
30x120	RETT *	6	6	2,16	31,10	36	84,24	1232
30x60	RETT	9	7	1,26	24,38	40	50,40	960
30x60	LCP / RST	9	7	1,26	24,38	40	50,40	1050
30,8x61,5		9	7	1,32	24,88	40	52,80	920
60x60	RETT / RST / LCP	9	4	1,44	28,57	30	43,20	812
60x120	RETT / RST / LCP *	9	2	1,44	28,57	35	50,40	1020
60x120	RETT *	6	3	2,16	31,10	35	75,6	1108
80x80	RETT/LCP	9	2	1,28	25,58	45	57,60	1171
20x20	BICOTTURA	6,5	40	1,60	16,56	72	115,20	1212
20x50	BICOTTURA	8	14	1,40	19,45	60	84	1187
20x50	DECORO BICOTTURA	8	14	1,40	18,83	60	84	1150

Size Formato Format Format	Thickness Spessore Épaisseur Stärke	Packaging Tipologia imballaggio Typologie de l'emballage Verpackungsarten	Packaging size Ingombro Dimension Format	Pcs/Box Pz/Scatola Stk/Karton Pieces/Boîte	Sqm/Box Mq/Scatola Qm/Karton M²/Boîte	Kg/Box Kg/Scatola Kg/Karton Kg/Boîte	Box/Pallet Scatola/Pallet Karton/Palette Boîte/Palette	Sqm/Pallet Mq/Pallet Qm/Palette M²/Palette	Kg/Pallet Kg/Pallet Kg/Palette Kg/Palette	
120x120	RETT	9	Pallet with sides	143,2x124x56,1	2	2,88	61,36	18	51,84	1020
120x120	LCP/RST **	9	Pallet with sides	143,2x124x56,1	2	2,88	61,36	18	51,84	1056
20x160	RETT **	9	Pallet with sides	168x97x57	4	1,28	25,57	36	46,08	970
30x160	RETT **	9	Pallet with sides	168x97x57	3	1,44	28,77	30	43,20	913
30x160	RETT **	6	Pallet with sides	168x97x57	5	2,40	34,56	30	72	1066
80x160	RETT/LCP **	9	Pallet with sides	168x97x57	2	2,56	51,15	18	46,08	970

## EKXTREME - TOP SOLUTION

Size Formato Format Format	Thickness Spessore Épaisseur Stärke	Packaging Tipologia imballaggio Typologie de l'emballage Verpackungsarten	Packaging size Ingombro Dimension Format	Sqm/Pcs Mq/Pz Qm/Stk M²/Pieces	Kg/Pcs Kg/Pz Kg/Stk Kg/Pieces	Pcs/Pal Pz/Pal Stk/Pal Pieces/Pal	Sqm/Crate - A frame Mq/Cassa - Cavalletto Qm/Caisse - Chevalet M²/Kiste - Ständer	Kg/Crate - A frame Kg/Cassa - Cavalletto Kg/Caisse - Chevalet Kg/Kiste - Ständer	
120x280	RETT/LCP ***	6	Crate	291x140x34	3,36	48,38	20	67,20	1054
	RETT/LCP ***	6	A frame	290x75x156	3,36	48,38	44	147,84	2252
160x320	RETT/LCP ***	6	Crate	172,6x343,2x36	5,12	72,50	16	81,92	1292
	RETT/LCP ***	6	A frame	330x75x200	5,12	72,50	40	204,80	3086
163x324	SILK/LCP ***	12	Crate	172,6x343,2x36	5,28	146	8	42,24	1300
	SILK/LCP ***	12	A frame	330x75x200	5,28	146	20	106,60	3106
163x324	SILK / LCP ***	20	Crate	172,6x343,2x36	5,28	245	6	31,68	1570
	SILK / LCP ***	20	A frame	330x75x200	5,28	245	12	63,36	3090

## TH2.OUTDOOR SOLUTIONS

Size Formato Format Format	Thickness Spessore Épaisseur Stärke	Pcs/Box Pz/Scatola Stk/Karton Pieces/Boîte	Sqm/Box Mq/Scatola Qm/Karton M²/Boîte	Kg/Box Kg/Scatola Kg/Karton Kg/Boîte	Box/Pallet Scatola/Pallet Karton/Palette Boîte/Palette	Sqm/Pallet Mq/Pallet Qm/Palette M²/Palette	Kg/Pallet Kg/Pallet Kg/Palette Kg/Palette	
120x120	RETT **	20	1,44	66,02	18	25,92	1220	
30x120	RETT *	20	0,72	32,44	36	25,92	1188	
80x80	RETT	20	1	0,64	28,60	45	28,80	1307
60x120	RETT *	20	1	0,72	32,33	30	21,60	980
60x90	RETT	20	2	1,08	48,28	27	29,16	1323
60x60	RETT	20	2	0,72	32,07	30	21,60	965

\* **WARNING: Storage up to maximum 3 stacked pallets . ATTENZIONE, sovrapporre max 3 palette alla volta . FAIRE ATTENTION!** Le materiel peut etre empilé par 3 palettes à la fois maximum . **ACHTUNG, max. 3 Paletten stapeln.**

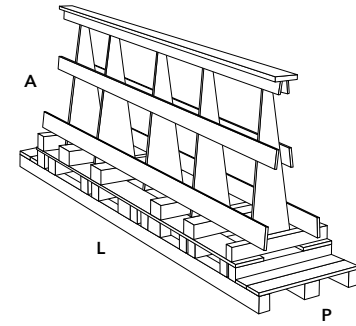
\*\* **WARNING: Storage up to maximum 4 stacked pallets . ATTENZIONE, sovrapporre max 4 palette alla volta . FAIRE ATTENTION!** Le materiel peut etre empilé par 4 palettes à la fois maximum . **ACHTUNG, max. 4 paletten stapeln.**

\*\*\* **WARNING: Storage up to maximum 8 stacked crates . ATTENZIONE, sovrapporre max 8 casse alla volta . FAIRE ATTENTION!** Le materiel peut etre empilé par 8 caisses à la fois maximum . **ACHTUNG, max. 8 Verpackungskisten stapeln.**

# Packaging

Tipologie di imballaggio . Typologie de l'emballage . Verpackungsarten.

## A-Frame - Cavalletto - Chevalet - Ständer



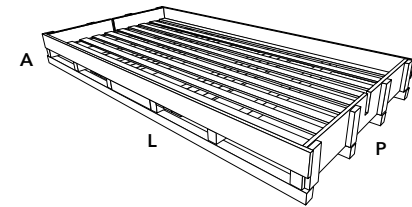
L: 330 x P: 75 x A: 200 cm - € 280

**Slab Size** - Formato lastre - Dimension des dalles - Plattenformat: **163x324 - 160x320**

L: 290 x P: 75 x A: 156 cm - € 240

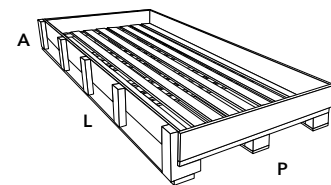
**Slab Size** - Formato lastre - Dimension des dalles - Plattenformat: **120x280**

## Crate - Cassa - Caisse - Kiste



L: 343,2 x P: 172,6 x A: 36 cm - € 190

**Slab Size** - Formato lastre - Dimension des dalles - Plattenformat: **163x324 - 160x320**



**Crate - 20 Pc:**

L: 291 x P: 140 x A: 34 cm - € 130

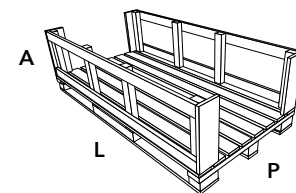
**Slab Size** - Formato lastre - Dimension des dalles - Plattenformat: **120x280**

**Crate - 10 Pc:**

L: 292 x P: 132 x A: 21 cm - € 70

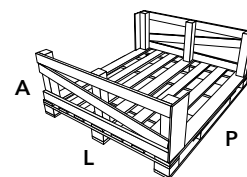
**Slab Size** - Formato lastre - Dimension des dalles - Plattenformat: **120x280**

## Pallet with sides - Pallet con sponde - Palettes - Paletten Gestell



L: 168 x P: 97 x A: 57 cm - € 50

**Slab Size** - Formato lastre - Dimension des dalles - Plattenformat: **80x160 - 30x160 - 20x160**



L: 143,2 x P: 124 x A: 56,1 cm - € 30

**Slab Size** - Formato lastre - Dimension des dalles - Plattenformat: **120x120**

**Special picking packaging is available for less than 10 pcs.**

Per imballi contenenti un numero di scatole minori di 10 sono previsti anche degli imballi speciali.  
Pour les emballages contenant un nombre de boîtes inférieur à 10, ils sont prévus aussi de conditionnements spéciaux.  
Lieferungen von weniger als 10 Kartons werden in Speziellen Verpackungen geliefert.

# Loading composition

Composizioni di carico . Composition du chargement . Zusammenstellung der ladung

Truck . Camion bilico . Camion avec semi - remorqu . LWK 13,6m x 2,5m		m <sup>2</sup>	Weight Peso Poids Gewicht
Full 120x120 (9 mm)	Nr. 20 Pallet including 18 pcs each – remain 10 free spaces for standard europallet (80x120) Nr. 27 Palette da 18 sc - rimangono nr 10 spazi per europallet (80x120)	1.399,68	29.754
Full 120x280 (6 mm)	Nr. 20 Crates including 20 pcs each – remain 8 free spaces for standard europallet (80x120) Nr. 20 Casse da 20 pz - rimangono nr 8 spazi per europallet (80x120)	1.344	21.140
Full 160x320 (6 mm)	Nr. 15 Crates including 16 pcs each Nr. 15 Casse da 16 pz	1.228,80	19.380
	Nr. 9 A-frame including 40 pcs each Nr. 9 Cavalletti da 40 pz	1.843,20	27.774
Full 164x324 (12 mm)	Nr. 15 Crates including 8 pcs each Nr. 15 Casse da 8 pz	633,60	19.500
	Nr. 9 A-frame including 20 pcs each Nr. 9 Cavalletti da 20 pz	950,40	27.954

20 Feet Container . Container 20 piedi . Conteneur 20 pieds . 20-Fuss-Container		m <sup>2</sup> w	Weight Peso Poids Gewicht
Full 120x120 (9 mm)	Nr. 16 Pallet including 18 pcs each + nr. 4 A-frame including 18 pcs each Nr. 16 Palette da 18 sc + nr 4 cavalletti da 18 sc	1.051,12	22.180
Full 120x280 (6 mm)	A Nr. 12 Crates including 20 pcs each Nr. 12 Casse da 20 pz	806,40	12.720
	B Nr. 6 A-frame including 44 pcs each Nr. 6 Cavalletti da 44 pz	887,04	13.512
	C Nr. 12 Crates including 20 pcs each + nr. 2 A-frame including 44 pcs each Nr. 12 Casse da 20 pz + nr 2 cavalletti da 44 pz	1102,08	17.152
Full 160x320 (6 mm)	A Nr. 5 Crates including 16 pcs each – remain 5 free spaces for standard europallet 80x120 Nr. 5 Casse da 16 pz - rimangono nr 5 spazi per europallet 80x120	409,60	6.460
	B Nr. 3 A-frame including 40 pcs each – remain 5 free spaces for standard europallet 80x120 Nr. 3 Cavalletti da 40 pz - rimangono nr 5 spazi per europallet 80x120	614,40	9.258
Full 164x324 (12 mm)	A Nr. 5 Crates including 8 pcs each – remain 5 free spaces for standard europallet 80x120 Nr. 5 Casse da 8 pz - rimangono nr 5 spazi per europallet 80x120	211,20	6.500
	B Nr. 3 A-frame including 20 pcs each – remain 5 free spaces for standard europallet 80x120 Nr. 3 Cavalletti da 20 pz - rimangono nr 5 spazi per europallet 80x120	316,80	9.318

40 Feet Container . Container 40 piedi . Conteneur 40 pieds . 40-Fuss-Container		m <sup>2</sup>	Weight Peso Poids Gewicht
Full 120x120 (9 mm)	A Nr. 24 Pallet including 18 pcs each Nr. 24 Palette da 18 sc	1.261,44	26.467
Full 120x280 (6 mm)	A Nr. 24 A-frame including 20 pcs each Nr. 24 Casse da 20 pz	1.612,80	25.440
	B Nr. 11 A-frame including 44 pcs each + Nr. 1 A-frame including 35 pcs each Nr. 11 Cavalletti da 44 pz + Nr. 1 Cavalletto da 35 pz	1.743,84	26.588
	C Nr. 17 Crates including 20 pcs each + Nr. 3 A-frame including 44 pcs each + Nr. 1 A-frame including 35 pcs each Nr. 17 Casse da 20 pz + Nr. 3 cavalletti da 44 pz + Nr. 1 Cavalletto da 35 pz	1.703,52	26.500
	D Nr. 24 Crates including 20 pcs each + nr. 1 A-frame including 25 pcs each Nr. 24 Casse da 20 pz + nr 1 cavalletti da 25 pz	1.696,80	26.507
Full 160x320 (6 mm)	A Nr. 15 Crates including 16 pcs each – remain 2 free spaces for standard europallet 80x120 Nr. 15 Casse da 16 pz - rimangono nr 2 spazi per europallet 80x120	1.228,80	19.380
	B Nr. 8 A-frame including 40 pcs each – remain 3 free spaces for standard europallet 80x120 Nr. 8 Cavalletti da 40 pz - rimangono nr 3 spazi per europallet 80x120	1.638,40	24.688
Full 164x324 (12 mm)	A Nr. 15 Crates including 8 pcs each – remain 2 free spaces for standard europallet 80x120 Nr. 15 Casse da 8 pz - rimangono nr 2 spazi per europallet 80x120	633,60	19.500
	B Nr. 8 A-frame including 20 pcs each + nr. 1 A-frame including 12 pcs Nr. 8 Cavalletti da 20 pz + nr. 1 cavalletto da 12 pz	908,16	26.786

**Should you fit multiple sizes packing, please contact us in order to maximize the best composition (max sqmts load).**

Per carichi misti tra vari formati contattare l'azienda per la soluzione migliore.  
Pour tout chargement en mélange avec différents formats, contactez s'il vous plait l'usine à fin de trouver la solution la plus adaptée.  
Bei Verladungen von verschiedenen Formaten wenden Sie sich an das Unternehmen, um die beste Lösung zu erfragen.

# Packaging handling

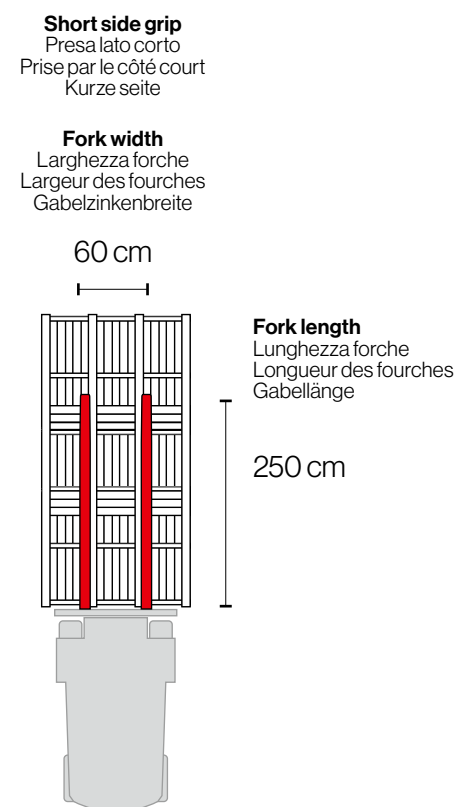
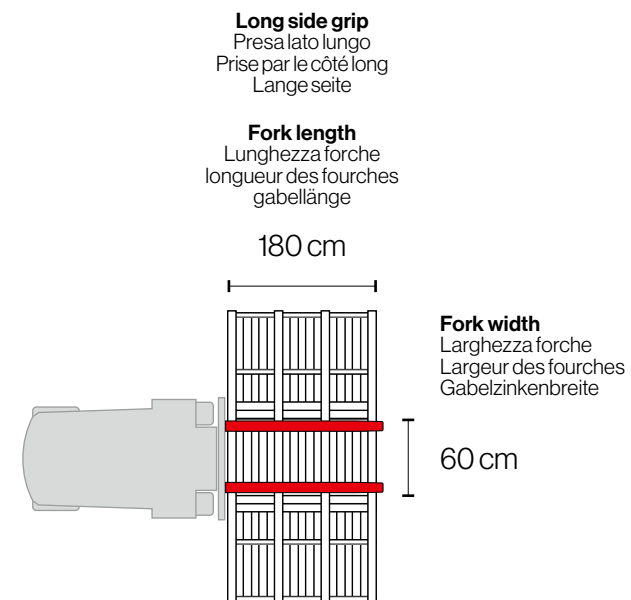
Movimentazione degli imballi . Manipulations des emballages . Verpackungsarten.

**For a correct and safe handling of crates, A-frame and pallets, it is recommended to use a forklift with a capacity of 5 tons and with forks at least 250 cm long.**

Per una corretta e sicura movimentazione di casse, cavalletti e pallet si raccomanda l'utilizzo di un carrello elevatore con portata di 50 quintali e con forche di lunghezza pari almeno 250 cm.

Pour une manipulation correcte et sécurisée des caisses, des tréteaux et des palettes, nous recommandons l'utilisation d'un chariot élévateur avec une capacité de 50 quintaux et avec des fourches d'une longueur d'au moins 250 cm.

Für eine korrekte und sichere Handhabung von Kisten, Böcken und Paletten empfehlen wir die Verwendung eines Gabelstaplers mit einer Kapazität von 50 Doppelzentner mit Gabeln einer Länge von mindestens 250 cm.



# On-site slabs handling

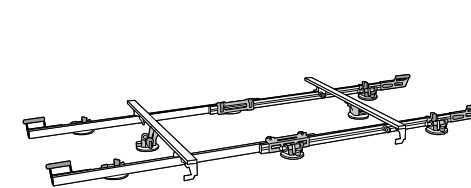
Movimentazione delle lastre in cantiere . Manipulation des grandes dalles sur le chantier  
Verarbeitung der grossformatplatten auf der baustelle.

**Suction cups are absolutely necessary for the handling of each slab and, where appropriate, a trolley can also be used.**

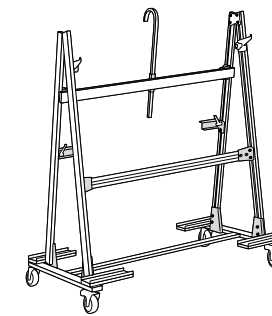
Per la movimentazione di lastre singole sono assolutamente necessari degli organi di presa a ventose ed eventualmente anche un carrello con ruote per il trasporto.

La manipulation des plaques individuelles nécessite impérativement de dispositifs dotés de ventouses et éventuellement aussi un chariot avec des roues pour en faciliter le transport.

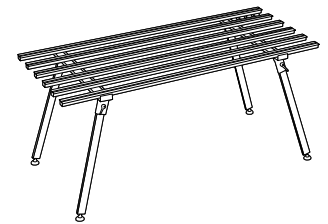
Zur Handhabung von Einzelplatten sind Greifvorrichtungen mit Saugnapfen und möglicherweise auch ein Wagen mit Rädern für den Transport nötig.



**Handling frame equipped with suction cups**  
Telaio di movimentazione dotato di ventose  
Châssis doté de ventouses  
Transportrahmen mit Saugnapfen



**Wheeled trolley**  
Carrello con ruote  
Chariot à roues  
Rollgestell



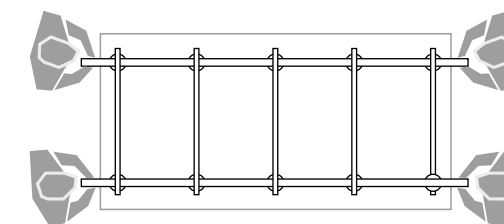
**Working table**  
Banco da lavoro  
Table de travail  
Arbeitstisch

**In addition, the dimensions of the slabs require great caution and attention in all movements. For the 160x320 format the presence of four operators at the same time is compulsory and the slabs must be handled on the long side, in order to avoid bumps or excessive bending.**

Inoltre, le elevate dimensioni delle lastre richiedono grande cautela e attenzione in tutti gli spostamenti. Per il formato 160x320 è necessaria la presenza di quattro operatori contemporaneamente e la movimentazione della lastra deve sempre seguire il lato lungo, al fine di evitare urti o eccessive flessioni.

De plus, les dimensions élevées des dalles exigent beaucoup de prudence et d'attention dans tous les mouvements. Pour le format 160x320 est nécessaire la présence de quatre opérateurs à la fois et le mouvement de la plaque doit toujours suivre le côté long, à fin d'éviter des chocs ou une flexion excessive.

Außerdem erfordern die Dimensionen dieser Platten bei allen Bewegungen große Vorsicht und Aufmerksamkeit. Für das Format 160x320 sind zur Vermeidung großer Biegungen stets 4 Personen zur Bewegung oder Umlagerung der Platten notwendig und eine Umlagerung sollte immer mit entsprechender Unterstützung der langen Seite erfolgen.



**The dimensions and weight of the EKXTREME line require specific safety measures to allow operators to work safely and to avoid any possible breakages of the slabs.**

Dimensioni e peso dei formati della gamma **EKXTREME** richiedono apposite misure di sicurezza per consentire agli operatori di lavorare senza pericoli, evitando così possibili rotture delle lastre stesse.

Les dimensions et poids de la gamme **EKXTREME** nécessitent des mesures de sécurité spécifiques pour permettre aux opérateurs de travailler sans risques, évitant ainsi de possibles ruptures de plaques.

Maße und Gewichte der **EKXTREME**-Reihe erfordern spezifische Sicherheitsmaßnahmen damit die Bediener gefahrlos arbeiten können und ein eventueller Plattenbruch vermieden wird.



# ENERGIEKER

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