

Opustone[®]
STONE | TILE CONCEPTS

I Cementi

Distinctive scenic cladding



I Cementi

An icon of contemporary architecture, concrete inspires the I Cementi collection with its raw, essential purity. A versatile material explored through a wide range of expressive possibilities: surface treatments and finishes enhance the material depth, combined with an increasingly rich color palette that extends towards warmer, softer and more natural tones.

The textures are enlivened by a deliberately irregular organic pattern that stands out in relief on the smooth, homogeneous surfaces. A rounded decoration with an almost "primitive" style that combines with the industrial look of cement, for a distinctive scenic cladding.

The result is a multifaceted collection, capable of interpreting every architectural typology.





RealUp® + StrideUp®

With RealUp®, patterns and three-dimensional depth achieve an unprecedented synergy: the overall design of the ceramic surface boasts astonishing depth and intricacy. Color and structure coincide in perfect harmony, giving the Natural surfaces unparalleled richness of texture.

StrideUp®

StrideUp® extends the functional potentials of porcelain stoneware. This technology introduces a new type of surface, with high slip resistance yet soft to the touch and easy to clean. A combination made possible by the nanotechnology of infinitesimal raw materials that constitute the surface.

I Cementi Ivory 47¼" x 110¼"
Natural Beige 47¼" x 24½"





I Cementi Ivory 47¼" x 110¼", I Cementi Black Listello Trato 8" x 47¼", I Cementi Argil 47¼" x 47¼",
Natural Dark 47¼" x 110¼"





I Cementi Ivory 47¼" x 110¼", I Cementi Argil Mosaico 47¼" x 47¼", I Cementi Ivory Ciottolo 47¼" x 47¼"

Espresso	\$3
Latte	\$4.2
Mocha	\$4.5
Cappuccino	\$3
Americano	\$3
Hot Chocolate	\$3
Doppio	\$3
Green Tea	\$2.5
Black Tea	\$2
Mint Tea	\$2.5
White Tea	\$2.5
Maccato	\$3
Iced Espresso	\$3
Iced Latte	\$4.2
Iced Mocha	\$4.5
Iced Cappuccino	\$3
Iced Americano	\$3







I Cementi Ivory 47¼" x 110¼"
Natural Flax Listello Tratto 8" x 47¼"











I Cementi Flax Muretto 12" x 12",
I Cementi Beige Muretto 12" x 12"









I Cementi Flax 47¼" x 110¼", I Cementi Taupe 47¼" x 110¼",
I Cementi Taupe Muretto 12" x 12" I Cementi Flax Ciottolo 47¼" x 47¼"















I Cementi Grey 47¼" x 110¼", I Cementi Dark Listello Tratto 8" x 47¼"





I Cementi White 47¼" x 110¼", I Cementi Beige Listello Tratto 8" x 47¼", Beige 47¼" x 110¼", I Cementi White Ciottolo 47¼" x 47¼"



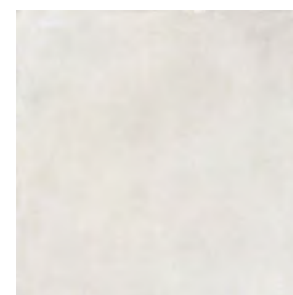






I Cementi

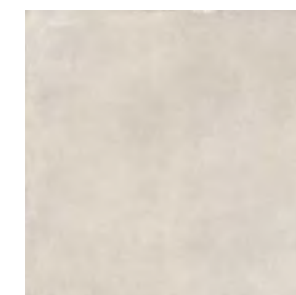
Technical Information



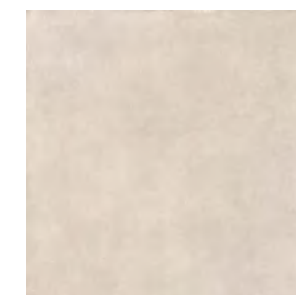
White



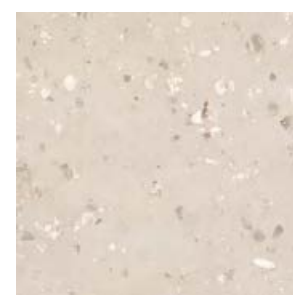
White Ciottolo



Beige



NEW Ivory



NEW Ivory Ciottolo



NEW Argil



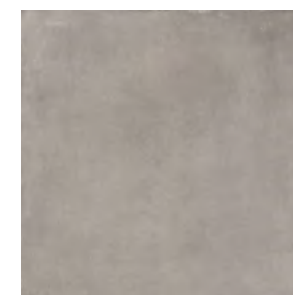
NEW Argil Ciottolo



Flax



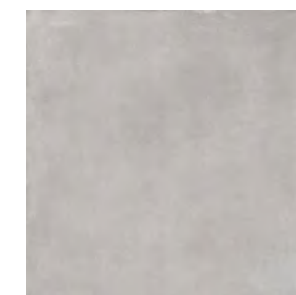
Flax Ciottolo



Taupe



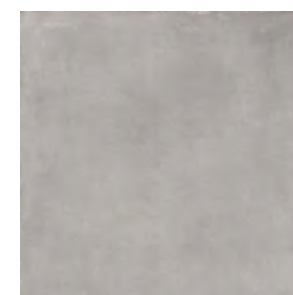
NEW Moka



Greige



Greige Ciottolo



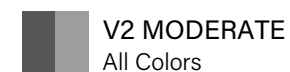
Grey



Dark



NEW Black



V2 MODERATE
All Colors

White



Beige



	6 mm MEGA Naturale 47 1/4" x 110 1/4"	9 mm RealUp + StrideUp 47 1/4" x 47 1/4" 31 1/2" x 31 1/2"	20 mm OPEN 23 1/2" x 47 1/4" 23 1/2" x 23 1/2" 11 7/8" x 23 1/2"
White	FL01XPA	FL0112FL0188	FL01BAFL0168FL0163
White Antislip			FL01BAA
Beige	FL02XPA	FL0212FL0288	FL02BAFL0268FL0263
Beige Antislip		FL0212A	FL02BAA

Ivory



Argil



	6 mm MEGA Naturale 47 1/4" x 110 1/4"	9 mm RealUp + StrideUp 47 1/4" x 47 1/4" 31 1/2" x 31 1/2"	20 mm OPEN 23 1/2" x 47 1/4" 23 1/2" x 23 1/2" 11 7/8" x 23 1/2"
Ivory	FL08XPA	FL0812FL0888	FL08BAFL0868FL0863
Ivory Antislip		FL0812A	FL08BAA
Argil	FL09XPA	FL0912FL0988	FL09BAFL0968FL0963
Argil Antislip		FL0912A	FL09BAA

Flax



Taupe



	6 mm MEGA Naturale 47 1/4" x 110 1/4"	9 mm RealUp + StrideUp 47 1/4" x 47 1/4" 31 1/2" x 31 1/2" 23 1/2" x 47 1/4" 23 1/2" x 23 1/2" 11 7/8" x 23 1/2"	20 mm OPEN 23 1/2" x 47 1/4" 23 1/2" x 23 1/2"
Flax	FL03XPA	FL0312FL0388	FL03BAFL0368FL0363
Flax Antislip			FL03BA2FL03682
Taupe	FL04XPA	FL0412FL0488	FL04BAFL0468FL0463
Taupe Antislip			FL04BA2FL04682

Moka



	6 mm MEGA Naturale 47 1/4" x 110 1/4"	9 mm RealUp + StrideUp 47 1/4" x 47 1/4" 31 1/2" x 31 1/2" 23 1/2" x 47 1/4" 23 1/2" x 23 1/2" 11 7/8" x 23 1/2"	20 mm OPEN 23 1/2" x 47 1/4" 23 1/2" x 23 1/2"
Moka	FL10XPA	FL1012FL1088	FL10BAFL1068FL1063
Moka Antislip			

Greige



Grey



	6 mm MEGA Naturale 47 1/4" x 110 1/4"	9 mm RealUp + StrideUp 47 1/4" x 47 1/4" 31 1/2" x 31 1/2" 23 1/2" x 47 1/4" 23 1/2" x 23 1/2" 11 7/8" x 23 1/2"	20 mm OPEN 23 1/2" x 47 1/4" 23 1/2" x 23 1/2"
Greige	FL05XPA	FL0512FL0588	FL05BAFL0568FL0563
Greige Antislip			FL05BAA
Grey	FL06XPA	FL0612FL0688	FL06BAFL0668FL0663
Grey Antislip			FL06BA2FL06682

Dark



Black

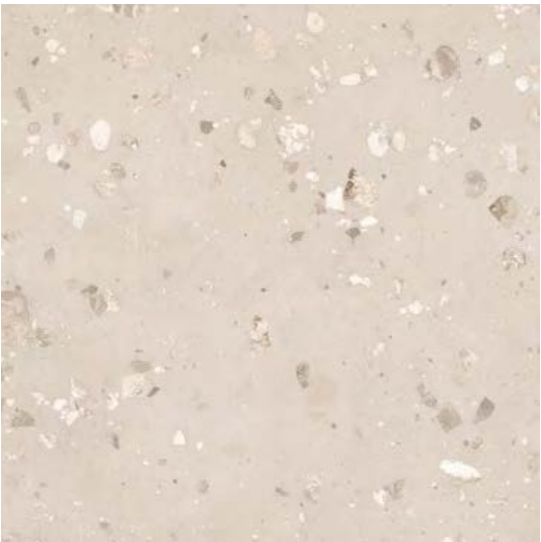


	6 mm MEGA Naturale 47 1/4" x 110 1/4"	9 mm RealUp + StrideUp 47 1/4" x 47 1/4" 31 1/2" x 31 1/2" 23 1/2" x 47 1/4" 23 1/2" x 23 1/2" 11 7/8" x 23 1/2"	20 mm OPEN 23 1/2" x 47 1/4" 23 1/2" x 23 1/2"
Dark	FL07XPA	FL0712FL0788	FL07BAFL0768FL0763
Black	FL11XPA	FL1112FL1188	FL11BAFL1168FL1163

White Ciottolo



Ivory Ciottolo



Argil Ciottolo



Flax Ciottolo



Greige Ciottolo



■ 9 mm RealUp + StrideUp		
23 1/2" x 47 1/4" 47 1/4" x 47 1/4"		
White Ciottolo	■ FL01BAC	■ FL0112C
Ivory Ciottolo	■ FL08BAC	■ FL0812C
Argil Ciottolo	■ FL09BAC	■ FL0912C
Flax Ciottolo	■ FL03BAC	■ FL0312C
Greige Ciottolo	■ FL05BAC	■ FL0512C

Decoro Lito 3D

23 1/2" x 47 1/4"



White

■ FL01DLT



Beige

■ FL02DLT



Ivory

■ FL08DLT



Argil

■ FL09DLT



Flax

■ FL03DLT



Taupe

■ FL04DLT



Moka

■ FL10DLT



Greige

■ FL05DLT



Grey

■ FL06DLT



Dark

■ FL07DLT



Black

■ FL11DLT

■ 9 mm
RealUp + StrideUp



Decoro Lito 3D
23 1/2" x 47 1/4" (3 pz)

White	■ FL01DLT
Beige	■ FL02DLT
Ivory	■ FL08DLT
Argil	■ FL09DLT
Flax	■ FL03DLT
Taupe	■ FL04DLT
Moka	■ FL10DLT
Geige	■ FL05DLT
Grey	■ FL06DLT
Dark	■ FL07DLT
Black	■ FL11DLT



15" x 23 1/2"

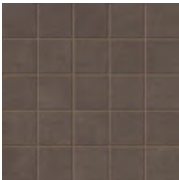
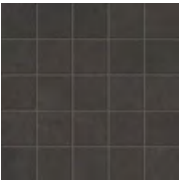


11 1/16" x 23 1/2"

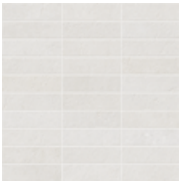
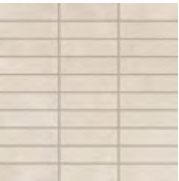
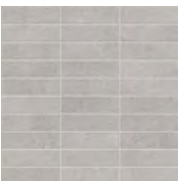
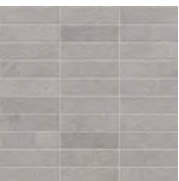


12 5/8" x 23 1/2"

Mosaico (9 mm)
11⁷/₈" x 11⁷/₈"

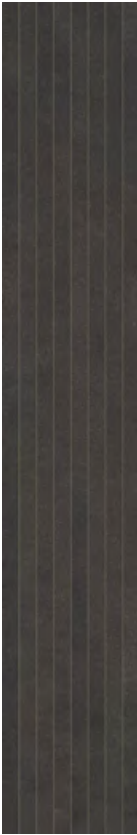
					
White ■ FL013MA	Beige ■ FL023MA	Ivory ■ FL083MA	Argil ■ FL093MA	Flax ■ FL033MA	Taupe ■ FL043MA
					
Moka ■ FL103MA	Greige ■ FL053MA	Grey ■ FL063MA	Dark ■ FL073MA	Black ■ FL113MA	

Muretto (6 mm / 9 mm)
11⁷/₈" x 11⁷/₈"

					
White ■ FL01MB (6 mm) ■ FL01MB9 (9 mm)	Beige ■ FL02MB (6 mm) ■ FL02MB9 (9 mm)	Ivory ■ FL08MB (6 mm) ■ FL08MB9 (9 mm)	Argil ■ FL09MB (6 mm) ■ FL09MB9 (9 mm)	Flax ■ FL03MB (6 mm) ■ FL03MB9 (9 mm)	Taupe ■ FL04MB (6 mm) ■ FL04MB9 (9 mm)
					
Moka ■ FL10MB (6 mm) ■ FL10MB9 (9 mm)	Greige ■ FL05MB (6 mm) ■ FL05MB9 (9 mm)	Grey ■ FL06MB (6 mm) ■ FL06MB9 (9 mm)	Dark ■ FL07MB (6 mm) ■ FL07MB9 (9 mm)	Black ■ FL11MB (6 mm) ■ FL11MB9 (9 mm)	

			
MESH MOUNTED	2" x 2"	1 ¹ / ₈ " x 3 ⁷ / ₈ "	1" x 4 ⁷ / ₁₆ "
	Mosaic	Muretto	Listello Tratto

Listello Tratto (6 mm)
8" x 4⁷/₁₆"

					
White ■ FL01LT	Beige ■ FL02LT	Ivory ■ FL08LT	Argil ■ FL09LT	Flax ■ FL03LT	Taupe ■ FL04LT
					
Moka ■ FL10LT	Greige ■ FL05LT	Grey ■ FL06LT	Dark ■ FL07LT	Black ■ FL11LT	

Packing

				PCS / BOX	M² / BOX	KG / BOX	BOX / PALLET	M² / PALLET	KG / PALLET
									
	47 ^{1/4"} x47 ^{1/4"}	Thick 9 mm	RealUp + StrideUp	PCS 2	M² 2,88	KG 59,15	PCS 18	M² 51,84	KG 1.084,79
	23 ^{1/2"} x47 ^{1/4"}	Thick 9 mm	RealUp + StrideUp	PCS 2	M² 1,44	KG 29,49	PCS 36	M² 51,84	KG 1.081,67
	31 ^{1/2"} x31 ^{1/2"}	Thick 9 mm	RealUp + StrideUp	PCS 2	M² 1,28	KG 25,16	PCS 42	M² 53,76	KG 1.076,93
	23 ^{1/2"} x23 ^{1/2"}	Thick 9 mm	RealUp + StrideUp	PCS 4	M² 1,44	KG 28,23	PCS 30	M² 43,20	KG 867,02
	11 ^{7/8"} x23 ^{1/2"}	Thick 9 mm	RealUp + StrideUp	PCS 8	M² 1,44	KG 28,34	PCS 32	M² 46,08	KG 926,94
	Ciotto lo 47 ^{1/4"} x47 ^{1/4"}	Thick 9 mm	RealUp + StrideUp	PCS 2	M² 2,88	KG 58,98	PCS 18	M² 51,84	KG 1.081,67
	Ciotto lo 23 ^{1/2"} x47 ^{1/4"}	Thick 9 mm	RealUp + StrideUp	PCS 2	M² 1,44	KG 29,51	PCS 36	M² 51,84	KG 1.082,36
	Listello Tratto 8"x47 ^{1/4"}	Thick 6 mm	Natural	PCS 6	M² 1,44	KG 19,48	PCS 30	M² 43,20	KG 604,46
	Mosaico 11 ^{7/8"} x11 ^{7/8"}	Thick 9 mm	RealUp + StrideUp	PCS 12	M² 1,08	KG 20,62	PCS 30	M² 32,40	KG 638,60
	Muretto 11 ^{7/8"} x11 ^{7/8"}	Thick 9 mm	RealUp + StrideUp	PCS 6	M² 0,54	KG 10,45	PCS 60	M² 32,40	KG 647,48
	Muretto 11 ^{7/8"} x11 ^{7/8"}	Thick 6 mm	Naturale	PCS 6	M² 0,54	KG 7,81	PCS 60	M² 32,40	KG 489,08

Mega Packing

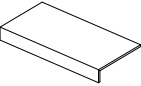
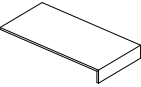
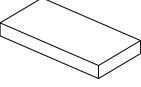
			PACKAGING DESCRIPTION	MQ / KG SLAB	FULL PACKAGING	EMPTY PACKAGING
	47 ^{1/4"} x110 ^{1/4"} x1/4"		CRATE L 145 x P 292 x H 35	MQ 3,36	MQ 67,20	
				KG 48,60	KG 1062,00	KG 100,00
			A-FRAME L 75 x P 285 x H 153	MQ 3,36	MQ 147,84	
				KG 48,60	KG 2318,40	KG 180,00
	47 ^{1/4"} x110 ^{1/4"} x1/4"		LIGHT CRATE L 145 x P 292 x H 27	MQ 3,36	MQ 30,24	
				KG 48,60	KG 527,40	KG 90,00
					PZ 1 / 9	

Special pieces

	 9 mm				
					
	BATTISCOPA	BATTISCOPA	GRADONE CON TORO	ELEMENTO "L" INCOLLATO	ELEMENTO "L" INCOLLATO
	2 ^{3/4"} x 23 ^{1/2"}	2 ^{3/4"} x 47 ^{1/4"}	47 ^{1/4"} x 13" x 1 ^{3/4"}	1 ^{3/4"} x 6 ^{1/2"} x 23 ^{1/2"}	1 ^{3/4"} x 6 ^{1/2"} x 47 ^{1/4"}
White	■ FL0176	■ FL01BT7	■ FL01GT2		
White Antislip				■ FL0195I	
Beige	■ FL0276	■ FL02BT7	■ FL02GT2		
Beige Antislip				■ FL0295I	■ FL02EL120
Ivory	■ FL0876	■ FL08BT7	■ FL08GT2		
Ivory Antislip				■ FL0895I	■ FL08EL120
Argil	■ FL0976	■ FL09BT7	■ FL09GT2		
Argil Antislip				■ FL0995I	■ FL09EL120
Flax	■ FL0376	■ FL03BT7	■ FL03GT2		
Flax Antislip				■ FL0395I	
Taupe	■ FL0476	■ FL04BT7	■ FL04GT2		
Taupe Antislip				■ FL0495I	
Moka	■ FL1076	■ FL10BT7	■ FL10GT2		
Greige	■ FL0576	■ FL05BT7	■ FL05GT2		
Greige Antislip				■ FL0595I	
Grey	■ FL0676	■ FL06BT7	■ FL06GT2		
Grey Antislip				■ FL0695I	
Dark	■ FL0776	■ FL07BT7	■ FL07GT2		
Black	■ FL1176	■ FL11BT7	■ FL11GT2		

I Cementi 60x120 - 60x60

	ITEM SIZE		MATCHING REGULAR TILES	FLAX	TAUPE	GREY	PCS BOX
 Gradone Assemblato	11 ^{7/8"} x23 ^{1/2"}		60x60	FL03G6A	FL04G6A	FL06G6A	3
	11 ^{7/8"} x47 ^{1/4"}		60x120	FL03G5A	FL04G5A	FL06G5A	2
 Gradone Angolare Assemblato DX e SX	11 ^{7/8"} x23 ^{1/2"}		60x60	DX FL03D6A	FL04D6A	FL06D6A	3
				SX FL03S6A	FL04S6A	FL06S6A	3
	11 ^{7/8"} x47 ^{1/4"}		60x120	DX FL03D5A	FL04D5A	FL06D5A	2
				SX FL03S5A	FL04S5A	FL06S5A	2
 Angolare Interno Assemblato 45°	11 ^{7/8"} x23 ^{1/2"}	2 pz	60x60	FL03AI6A	FL04AI6A	FL06AI6A	1 set
	11 ^{7/8"} x47 ^{1/4"}	2 pz	60x120	FL03AI5A	FL04AI5A	FL06AI5A	1 set
 Angolare Esterno Assemblato 45°	11 ^{7/8"} x23 ^{1/2"}	2 pz	60x60	FL03AE6A	FL04AE6A	FL06AE6A	1 set
	11 ^{7/8"} x47 ^{1/4"}	2 pz	60x120	FL03AE5A	FL04AE5A	FL06AE5A	1 set
 Alzata con Scretto	8"x23 ^{1/2"}		60x60	FL03AL	FL04AL	FL06AL	2
	8"x47 ^{1/4"}		60x120	FL03AL2	FL04AL2	FL06AL2	2
 Gradone con Toro	11 ^{7/8"} x23 ^{1/2"}		60x60	FL03G6R	FL04G6R	FL06G6R	3
	11 ^{7/8"} x47 ^{1/4"}		60x120	FL03G5R	FL04G5R	FL06G5R	2
 Gradone Angolare con Toro DX e SX	11 ^{7/8"} x23 ^{1/2"}		60x60	DX FL03D6R	FL04D6R	FL06D6R	3
				SX FL03S6R	FL04S6R	FL06S6R	3
	11 ^{7/8"} x47 ^{1/4"}		60x120	DX FL03D5R	FL04D5R	FL06D5R	2
				SX FL03S5R	FL04S5R	FL06S5R	2
 Angolare Interno con Toro 45°	311 ^{7/8"} x23 ^{1/2"}	2 pz	60x60	FL03AI6R	FL04AI6R	FL06AI6R	1 set
	11 ^{7/8"} x47 ^{1/4"}	2 pz	60x120	FL03AI5R	FL04AI5R	FL06AI5R	1 set
 Angolare Esterno con Toro 45°	11 ^{7/8"} x23 ^{1/2"}	2 pz	60x60	FL03AE6R	FL04AE6R	FL06AE6R	1 set
	11 ^{7/8"} x47 ^{1/4"}	2 pz	60x120	FL03AE5R	FL04AE5R	FL06AE5R	1 set
 Angolare Curvilineo con Toro	23 ^{1/2"} x23 ^{1/2"} radius 30 cm 11 ^{7/8"}		60x60	FL03AP6R	FL04AP6R	FL06AP6R	1
 Gradone Costa Lucida	- 11 ^{7/8"} x23 ^{1/2"}		60x60	FL03G6S	FL04G6S	FL06G6S	3
	11 ^{7/8"} x47 ^{1/4"}		60x120	FL03G5S	FL04G5S	FL06G5S	2
 Angolare Interno Costa Lucida 45°	11 ^{7/8"} x23 ^{1/2"}	2 pz	60x60	FL03AI6S	FL04AI6S	FL06AI6S	1 set
	11 ^{7/8"} x47 ^{1/4"}	2 pz	60x120	FL03AI5S	FL04AI5S	FL06AI5S	1 set
 Angolare Esterno Costa Lucida 45°	11 ^{7/8"} x23 ^{1/2"}	2 pz	60x60	FL03AE6S	FL04AE6S	FL06AE6S	1 set
	11 ^{7/8"} x47 ^{1/4"}	2 pz	60x120	FL03AE5S	FL04AE5S	FL06AE5S	1 set

	ITEM SIZE		MATCHING REGULAR TILES	FLAX	TAUPE	GREY	PCS BOX
 Angolare Curvilineo Costa Lucida	23 ^{1/2"} x23 ^{1/2"} radius 30 cm 11 ^{7/8"}		60x60	FL03AP6S	FL04AP6S	FL06AP6S	1
 Canalina	3 ^{1/8"} x5 ^{1/2"} x23 ^{1/2"}		60x60 / 60x120	FL03CA6	FL04CA6	FL06CA6	2
 Canalina Angolare	3 ^{1/8"} x5 ^{1/2"} x23 ^{1/2"}	2 pz	60x60 / 60x120	FL03CAA6	FL04CAA6	FL06CAA6	1 set
 Canalina a Bordo Chiuso	3 ^{1/8"} x5 ^{1/2"} x23 ^{1/2"}		60x60 / 60x120	FL03CAC6	FL04CAC6	FL06CAC6	1
 Griglia	5 ^{1/2"} x23 ^{1/2"}		60x60 / 60x120	FL03GG6	FL04GG6	FL06GG6	2
 Griglia Angolare	5 ^{1/2"} x23 ^{1/2"}	2 pz	60x60 / 60x120	FL03GGA6	FL04GGA6	FL06GGA6	1 set
 Elemento a L	23 ^{1/2"} x23 ^{1/2"} x25 ^{5/8"}		60x60	FL03L682A	FL04L682A	FL06L682A	1
	23 ^{1/2"} x23 ^{1/2"} x5 ^{1/2"}		60x60	FL03L682B	FL04L682B	FL06L682B	1
 Elemento a L Lato 120	23 ^{1/2"} x47 ^{1/4"} x25 ^{5/8"}		60x120	FL03LBA2A	FL04LBA2A	FL06LBA2A	1
	23 ^{1/2"} x47 ^{1/4"} x5 ^{5/8"}		60x120	FL03LBA2B	FL04LBA2B	FL06LBA2B	1
 Elemento a L Lato 60	23 ^{1/2"} x47 ^{1/4"} x25 ^{5/8"}		60x120	FL03LBA2A6	FL04LBA2A6	FL06LBA2A6	1
	23 ^{1/2"} x47 ^{1/4"} x5 ^{5/8"}		60x120	FL03LBA2B6	FL04LBA2B6	FL06LBA2B6	1
 Elemento L Angolare	23 ^{1/2"} x23 ^{1/2"} x25 ^{5/8"}		60x60	FL03L682AA	FL04L682AA	FL06L682AA	1
	23 ^{1/2"} x23 ^{1/2"} x5 ^{1/2"}		60x60	FL03L682BA	FL04L682BA	FL06L682BA	1
 Elemento L Angolare DX e SX	23 ^{1/2"} x47 ^{1/4"} x25 ^{5/8"}		60x120	DX FL03LBA2AD	FL04LBA2AD	FL06LBA2AD	1
				SX FL03LBA2AS	FL04LBA2AS	FL06LBA2AS	1
	23 ^{1/2"} x47 ^{1/4"} x5 ^{1/2"}		60x120	DX FL03LBA2BD	FL04LBA2BD	FL06LBA2BD	1
				SX FL03LBA2BS	FL04LBA2BS	FL06LBA2BS	1
 Bordo L	6"x6"x23 ^{1/2"}		60x60	FL03BR	FL04BR	FL06BR	2
	8"x8"x47 ^{1/4"}		60x120	FL03BR2	FL04BR2	FL06BR2	2
 Gocciolatoio Costa Lucida	11 ^{7/8"} x23 ^{1/2"}		60x60	FL03SG6	FL04SG6	FL06SG6	3
	8"x47 ^{1/4"}		60x120	FL03SG2	FL04SG2	FL06SG2	2

TECHNICAL SPECIFICATIONS
PORCELAIN STONEWARE

CONFORMING TO STANDARDS
EN 14411 ISO 13006 APPENDICE G GRUPPO BIa UGL CON Ev ≤ 0,5%

PHYSICAL PROPERTIES	TESTING METHOD	REFERENCE STANDARD	PRODUCT VALUES
 Sizes	EN ISO 10545-2	7cm ≤ N < 15 cm N ≥ 15 cm	Rectified Conforming
		(mm) (%) (mm)	
		Length and width	
		Thickness	
		Linearity -	
		Wedging	
		Warpage	
		Appearance: percentage of acceptable tiles, per lot	
 Water absorption %	EN ISO 10545-3	Ev ≤ 0,5%	Conforming
 Modulus of rupture	EN ISO 10545-4	Valore medio 35 N/mm2 min.	Conforming
 Breakage resistance		sp. > = 7,5 mm: min 1300 N sp. < 7,5 mm: min 700 N	Conforming
 Deep abrasian resistance	EN ISO 10545-6	175 mm3 max.	Average < 150 mm3
 Thermal expansion coefficient	EN ISO 10545-8	Declared value	6,8 MK-1
 Thermal shock resistance	EN ISO 10545-9	Pass according to ISO 10545-1	* Resistant
 Frost resistance	EN ISO 10545-12	Pass according to ISO 10545-1	* Resistant
Resistance to low concentrations of acids and alkali	EN ISO 10545-13	Declared value	* Resistant
 Resistance to high concentrations of acids and alkali		Declared value	* Resistant
Resistance to domestic chemicals and additives for swimming pools		UB min.	UA
 Stain resistance of unglazed matte porcelain	EN ISO 10545-14	Declared value	* Resistant
 Slip resistance	EN 16165	Annex A	Value available upon request
		Annex B	Value available upon request
	B.C.R.A. - D.M.236/ 89		> 0,40 Dry / > 0,40 Wet
	ANSI A326.3 D COF		≥ 0,42 Wet

* It's advisable to refer Project Department for all necessary guidelines to a correct use.

Sustainability and certifications



The EPD (Environmental Product Declaration) is a concise document that outlines the environmental performance profile of our product and allows us to communicate objective, comparable and credible information in this regard, without expressing evaluation, preference or minimum levels to be respected; it thus allows those who read it to make a conscious and correctly informed choice. This year **I Cementi** published its activity data on www.environdec.com, the website of the International EPD System, the world's first and longest running EPD program.

ISO 14064-1



ISO 14064-1 certification allows organisations to quantify their GHG emissions to implement carbon management policies and communicate their sustainability commitment to their stakeholders. **Italgranti** Group started a reporting path on their greenhouse gases (GHG) emissions and removal. The study intends to respond to a need geared not only towards knowing their own Carbon Footprint but also towards identifying possible strategies and actions aimed to reducing GHG emissions. This important certification proves the Group's proactive approach and the ability to provide consistent and reliable data on their Carbon Footprint.



The GreenGuard is an Environmental Product Certification that certifies the emission of low levels of chemicals, such as phthalates, benzene, amines and formaldehyde. It has particular importance for those, like **I Cementi**, participate in contract supplies linked to green building protocols, such as the US LEED. These rating systems give the building a score based on the materials it uses. Together with other certifications, GreenGuard assigns the product used a credit that contributes to the building's score. Created in the US by a non-profit organisation, GreenGuard requires products to undergo independent scientific testing and continuous monitoring of chemical emissions. Those products that meet strict standards, based on criteria set by leading public health agencies, are certified.

BREEAM®

BREEAM® (Building Research Establishment Environmental Assessment Method), which was developed in 1990 by BRE Global, is one of the main systems in the world used to measure the environmental and sustainability performance of new and existing buildings. The BREEAM® assessment uses a range of indicators and sustainability criteria to assess the performance levels of a building, covering several environmental topics: energy and water resources, health and wellbeing, pollution, transport, materials, waste, environmental awareness and management processes. **I Cementi** contribute towards obtaining BREEAM® credits.

WELL™

WELL™ Building Standard (WELL™) is the number one rating system for sustainable construction designed to measure, certify and monitor the features of the building, which have an impact on the health and wellbeing of its occupants. WELL™ provides a path to integrate and measure topics of human health and wellbeing in the design, construction and management of buildings. To obtain the WELL™ Building Standard™ certification, the building must undergo a process which includes an on-site assessment and an inspection of performance levels by a qualified certifier. **I Cementi** contribute towards obtaining WELL™ credits.

CAM
ISO 14021

The Minimum Environmental Criteria (CAM) are the environmental and ecological requirements defined by the Italian Ministry of the Environment. By decree of 23 June 2022, the Ministry of Ecological Transition ordered their revision (Minimum Environmental Criteria for the awarding of design and execution services for building works). CAM aims to facilitate the inclusion of eco-sustainability requirements in tenders for public operations. The aim is to stimulate purchases that minimise the use of natural resources and energy consumption levels, which also contribute towards the spread of renewable sources, reducing waste production, polluting emissions into the air, water and soil, and which eradicate environmentally hazardous substances. Thanks to a sustainable environmental management system, to the EPD certification and in accordance with international standard ISO 14021, **Italgranti** contributes towards quality construction with performance levels above the industry average.

ISO 14001 - EMAS



I Cementi conforms with the environmental regulations envisaged by the ISO 14001 certification and by the EMAS certification, obtained more than 10 years ago. The European EMAS (Eco-Management and Audit Scheme) certification measures and controls the reduced environmental impact of production sites, through an environmental management system based on strict parameters.

I CEMENTI CONTRIBUTES TOWARDS ENERGY EFFICIENCY THROUGH:

- 100% recycling of waters used
- 100% recycling of unfired and fired waste
- 100% recycling of packaging and pallets



100% WATER CONSUMPTION SAVINGS



100% RECYCLING OF UNFIRED WASTE



100% RECYCLING OF FIRED WASTE



100% RECYCLED PACKAGING



100% RECYCLED PALLETS

LEED COMPLIANT

I Cementi's products meet the requirements of LEED certifications. LEED credits provide all interested parties with the necessary tools to objectively calculate the impact of a building in terms of environmental sustainability. The system is based on the attribution - for each of the requirements characterising the eco-compatibility of a building - of credits that, added together, give the level of certification obtained: the higher it is, the greater the competitive value of the building on the market. Our products do not release toxic substances and do not contribute to the heat island effect; moreover, they come from a plant with a certified environmental management system. A certified percentage of more than 20% recycled material (pre-consumer material) is used to manufacture them. This certification was issued by Bureau Veritas Italia S.p.A.

MOCA COMPLIANCE



I Cementi products comply with the requirements of Regulation (EC) No. 1935/2004 (Framework Regulation on MOCA) and specific applicable regulations, such as Directive 85/500/EC, updated by Directive 2005/31/EC and implemented by Legislative Decree 04/04/1985 with subsequent updates, including the Decree of February 1, 2007. Each product is also accompanied by a Declaration of Conformity, which certifies its suitability and safety. This certification is based on tests performed, toxicological assessments, and the application of Good Manufacturing Practices (GMP) throughout the entire production process, as required by Regulation (EC) No. 2023/2006.

QB UPEC CERTIFICATION



This is a French quality mark obtained on the basis of tests according to the European standard EN 14411 and the CSTB's Technical Cahiers. Each product is assigned a classification that attributes its suitability for installation in the various target environments. The certified products and their Classements are specified in the certificate.



The CCC marking is governed by a Chinese regulation certifying that **I Cementi's** products have the lowest possible natural radioactivity for building materials, lower even than the natural radioactivity of granite. The CCC certification is obtained after cross-testing by two different laboratories on the same sample and an audit by the certification body guaranteeing that the certified products comply with the criterion. The CCC mark divides the products into two classes: A and B. All **I Cementi** products belong to class A, which is the safest, suitable for use in all places, including public places (such as schools and kindergartens).



The CE mark guarantees product safety. A product with CE mark complies with all the safety and consumer protection parameters of the relevant European directive. The CE mark is obtained by passing laboratory tests and submitting a technical file describing the performance of the products under examination, in accordance with Regulation (EU) no. 305/2011 (known as the CPR Regulation) and the harmonised standard UNI EN 14411 ("Ceramic tiles - Definitions, classification, characteristics and marking").

Opustone[®]
STONE | TILE CONCEPTS

FORT LAUDERDALE | MIAMI | WEST PALM BEACH