



Transforming
spaces, elevating
experiences

Croatia Collection



Croatia

The noble stones of the land of Istria.

The encounter of porcelain stone ware with the rocky landscapes of Croatia brings closer to the experience with the material, to the beauty of stone, to the force of nature that every day, for centuries, has lashed cliffs that have marked the passage of history. Inspired by karst cliffs overlooking the sea, Croa-tia is characterized by its fine fossil component, with marble inclusions visible on the surface, and delicate color tones. The original use of the most innovative digital ceramic technologies combines graphics and textural effects with surprising realism and luminosity, for surfaces with excellent technical performances that allow true stylistic and aesthetic consistency in any context. The wide range of sizes and thicknesses is completed with a rich set of decorations and special trims to design environments with extreme versatility in residential or commercial settings, both indoor and outdoor.

Croatia is the compositional force of design that defies the passage of time.



Plus

Materico

^{EN} **Materico.** Touch and feel the depth. Exceptional technology. Spots of light that evoke the life of the stone thanks to the graphical effect, wisely applied to enhance the nature of the material, its authentic colouring, and its graphic depth.



Tenace

^{EN} **Tenacious.** Sun, water, cold, wind. Strong and resistant. A perfect thermal conductor, it interprets the harmony of the stone and resists sudden temperature changes.



Design

^{EN} **Design.** Nuances, veining, minerals and hues: each detail of the graphics unveils an astonishing realism and a harmonious chromatic trend.



Inalterabile

Tellas e Cerdomus

^{EN} **Tellas and Cerdomus.** A magical encounter with the street artist who introduces nature to the city. Cerdomus meets Fabio Schirru also known as Tellas. A dialogue on beauty is created, on the graphic line, on its magnificent exploration of gestures and nature, in city locations. Street art encapsulated in a unique piece, a homage to the art of ink on paper. Like an urban gardener, Tellas creates a scene with the details of botany and landscapes known to the artist, which seem to nourish our gaze.

Safe Technology



Outdoor Solution 20mm



[SAFE]
technology
R11 A+B+C

^{EN} **Safe Technology.** Safe Technology. A new technology that enables the creation of non-slip surfaces that are soft to the touch but have a high dynamic coefficient of friction R11 A+B+C. Our research into innovative materials and techniques has achieved results that meet the most stringent international slip resistance standards. At the same time, the cleanability and maintenance of the product have been improved, with unchanged technical and aesthetic characteristics. Perfect for projects that combine design and purpose with great versatility. Safe Technology is performance and comfort in safety, always.

^{EN} We drew on different aesthetic inspirations, equipping them with a wide range of colors, sizes and special pieces, to design the spaces according to their use, but without compromising the design and home decoration choices. Made with over 40% recycled material, the 20 mm slabs are real furnishing elements for both residential and commercial use, integrating with the environment in complete harmony. Both public and private outdoor spaces can be completed with multiple laying solutions, with superior aesthetic and resistance performances, in complete safety.

Antracite



^{EN} **Unalterable.** Compact and resistant, porcelain stoneware remains unaltered over time, thus preserving its primitive beauty.



Antracite



Avorio



^{EN} **Design.** Nuances, veining, minerals and hues: each detail of the graphics unveils an astonishing realism and a harmonious chromatic trend.



Design

Avorio



Avorio



Beige



^{EN} **Materic.** Touch and feel the depth. Exceptional technology. Spots of light that evoke the life of the stone thanks to the graphical effect, wisely applied to enhance the nature of the material, its authentic colouring, and its graphic depth.



Beige



Beige



20 Pavimento/Floor
Croatia Beige
60x120 24"x48" _Safe
60x120 24"x48", 20mm_Grip
Grad. Costa Retta 33x120 13"x48" _Safe

21 Pavimento/Floor
Opera Walnut
20x120 8"x48" _Safe
Grad. Costa Retta 33x120 13"x48" _Safe

Grigio



^{EN} **Tenacious.** Sun, water, cold, wind. Strong and resistant. A perfect thermal conductor, it interprets the harmony of the stone and resists sudden temperature changes.



Tenace

Grigio



Tortora



^{EN} **Stile.** Playful graphics of an original pattern, with soft and delicate lines. It is a path for refined and attentive gazes.



Stile

Tortora



28 Pavimento/Floor
Croatia Tortora
120x120 48"x48" _Safe



29 Pavimento/Floor
Croatia Tortora
120x120 48"x48" _Matt
Rivestimento/Wall
Croatia Tortora
120x280 48"x111" _Matt



Avorio

fuga consigliata / suggested grouting

Mapei Ultracolor Plus 111
Grigio Argento

Kerakoll Fugabella Color 05

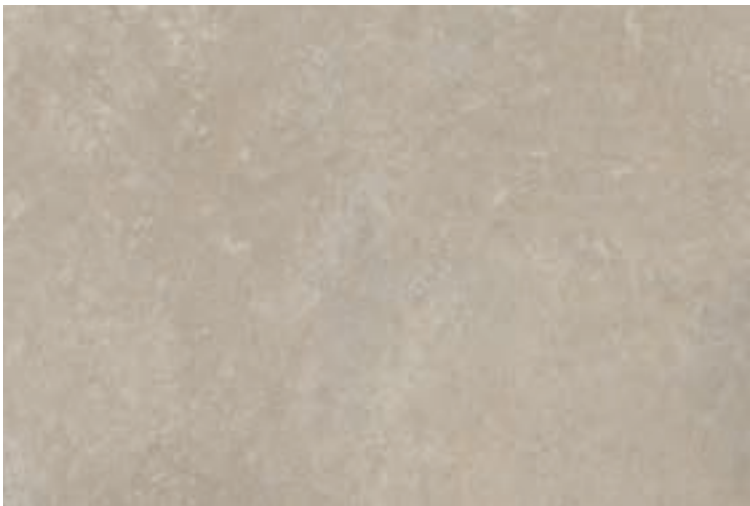


Beige

fuga consigliata / suggested grouting

Mapei Ultracolor Plus 110
Beige 2000

Kerakoll Fugabella Color 43



Grigio

fuga consigliata / suggested grouting

Mapei Ultracolor Plus 112
Grigio Medio

Kerakoll Fugabella Color 06



Tortora

fuga consigliata / suggested grouting

Mapei Ultracolor Plus 113
Grigio Cemento

Kerakoll Fugabella Color 09



Antracite

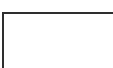
fuga consigliata / suggested grouting

Mapei Ultracolor Plus 114
Antracite

Kerakoll Fugabella Color 10



Fondi / Tiles

													
		120x280 48"x111" 6 mm	120x120 48"x48" 9 mm	100X100 40"x40" 8,5 mm	60x120 24"x48" 9 mm	60x60 24"x24" 9 mm	30x60 12"x24" 9 mm	60x120 24"x48" 20mm					
		Rett_Rect	Rett_Rect	Rett_Rect	Rett_Rect	Rett_Rect	Rett_Rect	Rett_Rect					
			 	 	 	 	 	 					
Antracite		92067	92320	96732	92717	96748	92326	92331	92336	92341	92346	92351	-
		M 110	M 80	M 80	M 74	M 74	M 65	M 65	M 50	M 50	M 50	M 50	-
Avorio		92068	92321	96733	92718	96749	92327	92332	92337	92342	92347	92352	96753
		M 110	M 80	M 80	M 74	M 74	M 65	M 65	M 50	M 50	M 50	M 50	M 94
Beige		92069	92322	96734	92719	96750	92328	92333	92338	92343	92348	92353	96754
		M 110	M 80	M 80	M 74	M 74	M 65	M 65	M 50	M 50	M 50	M 50	M 94
Grigio		92070	92324	96735	92720	96751	92329	92334	92339	92344	92349	92354	-
		M 110	M 80	M 80	M 74	M 74	M 65	M 65	M 50	M 50	M 50	M 50	-
Tortora		92071	92325	96736	92721	96752	92330	92335	92340	92345	92350	92355	96755
		M 110	M 80	M 80	M 74	M 74	M 65	M 65	M 50	M 50	M 50	M 50	M 94
	PZ x BOX	1	2	2	2	2	3	6	1				1
	MQ x BOX	3,36	2,88	2	2	1,44	1,08	1,08	0,72				0,72
	KG x BOX	48,72	61	38	32	32	23,50	23,50	32,50				32,50
	BOX x PL	20	18	24	32	32	40	40	36				36
	MQ x PL	67,20	51,84	48	46,08	34,56	43,20	25,92	1170				1170
	KG x PL	974,40	1098	912	1024	752	940						

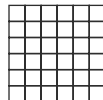
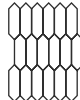
Legenda / Legend

M metri quadrati/square meters - L metri lineari/linear meters - P pezzi/pieces - S set/set

Per motivi tecnici i pesi sopra indicati possono variare / For technical reasons the weights indicated above may vary.



Decori / Decors

								
	Rondini * 120x280 48"x111" 6 mm	Tellas 120x280 48"x111" 6 mm	Rondini (Set 2 pz) * 60x120 24"x48" 9 mm	Tellas 60x120 24"x48" 9 mm	Mosaico 4,7x4,7 30x30 12"x12" 9 mm	Fascia Brick 20x60 8"x24" 9 mm	Esagona 33x27,5 13"x10.8" 9 mm	Losanga 30x38 12"x15" 9 mm
	Rett_Rect	Rett_Rect	Rett_Rect	Rett_Rect				
	Matt	Matt	Matt	Matt	Matt	Matt	Matt	Matt
Antracite	92786	94670	92788	96532	95528	95532	97181	97186
					P 17	P 35	P 33	P 40
Avorio	P 1855	P 500	S 460	M 78	94133	94134	97182	97187
					P 17	P 35	P 33	P 40
Beige					95529	95533	97183	97188
					P 17	P 35	P 33	P 40
Grigio					95530	95534	97184	97189
					P 17	P 35	P 33	P 40
Tortora					95531	95535	97185	97190
					P 17	P 35	P 33	P 40
 PZ x BOX MQ x BOX KG x BOX	6 7,20 7	6 7,20 7	1 set 1,44 31,50	2 1,44 30,5	6 0,54 10,20	5 0,50 15	6 0,54 10,20	4 0,36 6,80
 BOX x PL MQ x PL KG x PL	60 21,30 420	60 21,30 420	- - -	32 46,8 976	60 32,40 612	24 12 360	60 32,40 612	72 25,92 490

Legenda / Legend
M metri quadrati/square meters - L metri lineari/linear meters - P pezzi/pieces - S set/set

* Rivestimento - Utilizzare solo detergenti neutri
Wall - Use neutral detergents only

Per motivi tecnici i pesi sopra indicati possono variare / For technical reasons the weights indicated above may vary.

Rondini



120x280 48"x111"

Tellas



120x280 48"x111"



60x120 24"x48" (Set 2 pz)



60x120 24"x48"

Mosaico 4,7
30x30 12"x12"



Avorio



Beige



Grigio



Tortora

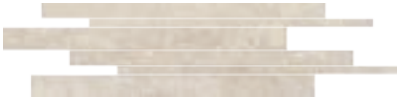


Antracite

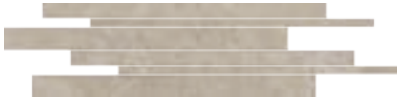
Fascia Brick
20x60 8"x24"



Avorio



Beige



Grigio



Tortora



Antracite

Esagona
33x27,5 13"x10.8"



Avorio



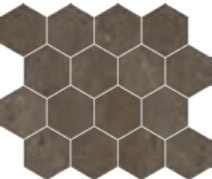
Beige



Grigio



Tortora



Antracite

Losanga
30x38 12"x15"



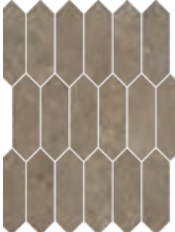
Avorio



Beige



Grigio



Tortora



Antracite



Pezzi speciali 8,5mm / Special trims 8,5mm

											
		Battiscopa 4,8x100 1,9"x40"	Elemento L 20x100 8"x40"	Ang. Sx Elemento L 20x100 8"x40"	Ang. Dx Elemento L 20x100 8"x40"	Gradino Costa Retta 33x100 13"x48"	Ang. Sx Grad. C. Retta 33x100 13"x48"	Ang. Dx Grad. C. Retta 33x100 13"x48"			
		8,5mm Rett_Rect	8,5mm Rett_Rect	8,5mm Rett_Rect	8,5mm Rett_Rect	8,5mm Rett_Rect	8,5mm Rett_Rect	8,5mm Rett_Rect			
											
Antracite		95508	97166	97176	97171	95513	97136	95523	97146	95518	97141
	L 17		P 180	P 235	P 235	P 151	P 151	P 251	P 251	P 251	P 251
Avorio		95509	97167	97177	97172	95514	97137	95524	97147	95519	97142
	L 17		P 180	P 235	P 235	P 151	P 151	P 251	P 251	P 251	P 251
Beige		95510	97168	97178	97173	95515	97138	95525	97148	95520	97143
	L 17		P 180	P 235	P 235	P 151	P 151	P 251	P 251	P 251	P 251
Grigio		95511	97169	97179	97174	95516	97139	95526	97149	95521	97144
	L 17		P 180	P 235	P 235	P 151	P 151	P 251	P 251	P 251	P 251
Tortora		95512	97170	97180	97175	95517	97140	95527	97150	95522	97145
	L 17		P 180	P 235	P 235	P 151	P 151	P 251	P 251	P 251	P 251
	PZ x BOX	10	2	1	1	2		1		1	
	MQ x BOX	10 ml	2 pz	1 pz	1 pz	2 pz		1 pz		1 pz	
	KG x BOX	11,30	11	6	6	15		7,80		7,80	
	BOX x PL	60	-	-	-	-		-		-	
	MQ x PL	30	-	-	-	-		-		-	
	KG x PL	678	-	-	-	-		-		-	

Pezzi speciali 9mm / Special trims 9mm

		 Battiscopa 4,8x120 1,9"x40"	 Battiscala Sx 4,8x60 1,9"x24"	 Battiscala Dx 4,8x60 1,9"x24"	 Elemento L 20x60 8"x24"	 Ang. Sx Elemento L 20x60 8"x24"	 Ang. Dx Elemento L 20x60 8"x24"	 Gradino Costa Retta 33x120 13"x48"	 Ang. Sx Grad. C. Retta 33x120 13"x48"	 Ang. Dx Grad. C. Retta 33x120 13"x48"			
		9 mm Rett_Rect	9 mm Rett_Rect	9 mm Rett_Rect	9 mm Rett_Rect	9 mm Rett_Rect	9 mm Rett_Rect	9 mm Rett_Rect	9 mm Rett_Rect	9 mm Rett_Rect			
								 	 				
Antracite		95443	95453	95448	95493	95503	95498	95458	95473	95468	95483	95463	95478
	L 19		S 40	S 40	P 42	P 90	P 90	P 179	P 179	P 301	P 301	P 301	P 301
Avorio		95444	95454	95449	95494	95504	95499	95459	95474	95469	95484	95464	95479
	L 19		S 40	S 40	P 42	P 90	P 90	P 179	P 179	P 301	P 301	P 301	P 301
Beige		95445	95455	95450	95495	95505	95500	95460	95475	95470	95485	95465	95480
	L 19		S 40	S 40	P 42	P 90	P 90	P 179	P 179	P 301	P 301	P 301	P 301
Grigio		95446	95456	95451	95496	95506	95501	95461	95476	95471	95486	95466	95481
	L 19		S 40	S 40	P 42	P 90	P 90	P 179	P 179	P 301	P 301	P 301	P 301
Tortora		95447	95457	95452	95497	95507	95502	95462	95477	95472	95487	95467	95482
	L 19		S 40	S 40	P 42	P 90	P 90	P 179	P 179	P 301	P 301	P 301	P 301
	PZ x BOX	6	20	20	4	2	2	2		1		1	
	MQ x BOX	7,20 ml	10 set	10 set	4 pz	2 pz	2 pz	2 pz		1 pz		1 pz	
	KG x BOX	7	15	15	12	7	7	21		10,5		10,5	
	BOX x PL	60	-	-	-	-	-	-		-		-	
	MQ x PL	21,60 ml	-	-	-	-	-	-		-		-	
	KG x PL	420	-	-	-	-	-	-		-		-	

Pezzi speciali 20mm / Special trims 20mm

		 Elemento L - Calata 10 33x120 13"x48"	 Ang. Sx Elemento L - Calata 10 33x120 13"x48"	 Ang. Dx Elemento L - Calata 10 33x120 13"x48"	 Gradino Toro con gocc. 33x120 13"x48"	 Gradino Step con gocc. 33x120 13"x48"		
		20 mm Rett_Rect	20 mm Rett_Rect	20 mm Rett_Rect	20 mm Rett_Rect	20 mm Rett_Rect		
								
Antracite		-	-	-	-	-		
	P 200							
Avorio		97151	97157	97154	97160	97163		
	P 200		P 270	P P 270	P 190	P 190		
Beige		97152	97158	97155	97161	97164		
	P 200		P 270	P 270	P 190	P 190		
Grigio		-	-	-	-	-		
	P 200		P 270	P 270	P 190	P 190		
	PZ x BOX	1	1	1	1	1		
	MQ x BOX	1 pz	1 pz	1 pz	1 pz	1 pz		
	KG x BOX	10	13	13	7	7		
	BOX x PL	-	-	-	-	-		
	MQ x PL	-	-	-	-	-		
	KG x PL	-	-	-	-	-		

Legenda / Legend
M metri quadrati/square meters - L metri lineari/linear meters - P pezzi/pieces - S set/set

Per motivi tecnici i pesi sopra indicati possono variare / For technical reasons the weights indicated above may vary.

CARATTERISTICHE TECNICHE CROATIA MATT / SAFE		VALORI TIPICI		VALORI LIMITE PREVISTI	
Technical characteristics / Caractéristiques techniques Características técnicas / Technische Eigenschaften / Технические характеристики		Typical values Valeurs typiques Typische Werte Характерные значения		Expected limit values Valeurs limites prévues Erwartete Grenzwerte Предусмотренные предельные значения	
Classificazione secondo NORMA EN 14411 Bla annex G, UGL Norm/Classment/norma/Standard					
SPESSORE mm. 8,5 - 9 - thickness 0.3" - 0.35" Epaisseur / Espesor / Stärke / Толщина					
	DIMENSIONI Sizes / dimensiones / dimensions / Abmessungen / Технические характеристики	UNI EN ISO 10545-02	Conforme	REQUISITI INDICATI NELLA NORMA Requirements of standard / Requisitos indicados en la norma / Exigences visées par la norme-Anforderungen in der Norm angegeben / Требования стандарта UNI EN 14411 G	
	ASSORBIMENTO D'ACQUA Water Absorption / Absorción de agua / Absorption d'eau / Wasseraufnahme / Водопоглощение	UNI EN ISO 10545-03	Matt 8,5mm <=0.5% Safe 8,5mm <=0.5% Matt 9mm <=0.5% Safe 9mm <=0.5%	<= 0,5% UNI EN 14411 G	
	FORZA DI ROTTURA Breaking strength / Carga de rotura / Résistance aux chocs / Bruchlast / Распрушающее усилие	UNI EN ISO 10545-0	Matt 8,5mm > 1300 N Safe 8,5mm > 1300 N Matt 9mm > 1300 N Safe 9mm > 1300 N	1300 N min UNI EN 14411 G	
	RESISTENZA ALLA FLESSIONE Modulus of rupture / Resistencia a la flexión / Résistance à la flexion / Biegefestigkeit / Стойкость на изгиб	UNI EN ISO 10545-04	Matt 8,5mm > 35 N/mm² Safe 8,5mm > 35 N/mm² Matt 9mm > 35 N/mm² Safe 9mm > 35 N/mm²	35 N/mm² min UNI EN 14411 G	
	RESISTENZA ALL'URTO Shock resistance / Resistencia al choque / Résistance aux chocs / Stoßfestigkeit / Сопротивление удару	UNI EN ISO 10545-05	COEFFICIENTE DI RESTITUZIONE Restitution coefficient / Coefficient de restitution / Restitutionskoeffizient / Коэффициент возврата Matt 8,5mm e > 0,86 Safe 8,5mm e > 0,86 Matt 9mm e > 0,86 Safe 9mm e > 0,86	METODO DI PROVA DISPONIBILE Available test method / Método de prueba disponible / Méthode d'essai disponible / Verfügbare Testmethode / Доступная методика испытаний UNI EN 14411 G	
	RESISTENZA ALL'ABRASIONE PROFONDA Resistance to deep abrasion / Resistencia a la abrasión profunda / Résistance à l'abrasion profonde / Tiefenabriebfestigkeit / Стойкость к глубокому истиранию	UNI EN ISO 10545-06	Matt 8,5mm <= 175 mm³ Safe 8,5mm <= 175 mm³ Matt 9mm <= 175 mm³ Safe 9mm <= 175 mm³	175 mm³ max UNI EN 14411 G	
	DILATAZIONE TERMICA LINEARE Linear thermal expansion / Dilatación térmica lineal Dilatation thermique linéaire / Thermische Dilatation Линейное тепловое расширение	UNI EN ISO 10545-08	Matt 8,5mm 6,8 Safe 8,5mm 6,8 Matt 9mm 6,8 Safe 9mm 6,8	(10-6 °C-1) METODO DI PROVA DISPONIBILE Available test method / Método de prueba disponible / Méthode d'essai disponible / Verfügbare Testmethode / Доступная методика испытаний UNI EN 14411 G	
	RESISTENZA AGLI SBALZI TERMICI Thermal shock resistance / Resistencia al choque térmico Résistance aux chocs thermiques / Temperaturwechselbe-ständigkeit Стойкость к тепловым перепадам	UNI EN ISO 10545-09	Matt 8,5mm Resiste Safe 8,5mm Resiste Matt 9mm Resiste Safe 9mm Resiste	METODO DI PROVA DISPONIBILE Available test method / Método de prueba disponible / Méthode d'essai disponible / Verfügbare Testmethode / Доступная методика испытаний UNI EN 14411 G	
	DILATAZIONE DOVUTA ALL'UMIDITÀ Determination of moisture expansion / Dilación causada por la humedad / Déterm- ination de la dilatation à l'humidité / Ausdehnung auf Grund von Feuchtigkeit / Расширение под воздействием влажности	UNI EN ISO 10545-10	Matt 8,5mm 0,1% Safe 8,5mm 0,1% Matt 9mm 0,1% Safe 9mm 0,1%	METODO DI PROVA DISPONIBILE Available test method / Método de prueba disponible / Méthode d'essai disponible / Verfügbare Testmethode / Доступная методика испытаний UNI EN 14411 G	
	RESISTENZA AL GELO Frost resistance / Resistencia al hielo / Résistance au gel / Frostbeständigkeit / Морозостойкость	UNI EN ISO 10545-12	Matt 8,5mm Resiste Safe 8,5mm Resiste Matt 9mm Resiste Safe 9mm Resiste	RICHIESTA Required / Solicitud / Requite / Gefordert / Требуется UNI EN 14411 G	
	RESISTENZA ALL'ATTACCO CHIMICO Chemical resistance / Resistencia al ataque químico / Résistance chimique / Che- mische Beständigkeit / Стойкость к химическому воздействию	UNI EN ISO 10545-13	Matt 8,5mm A Safe 8,5mm A Matt 9mm A Safe 9mm A Matt 8,5mm LA - HA Safe 8,5mm LA - HA Matt 9mm LA - HA Safe 9mm LA - HA	B Min UNI EN 14411 G REQUISITI INDICATI NELLA NORMA Requirements of standard / Requisitos indicados en la norma / Exigences visées par la norme / Anforderungen in der Norm angegeben / Требования стандарта	
	RESISTENZA ALLE MACCHIE Stain resistance / Resistencia a las manchas / Résistance aux taches / Fleckenbeständigkeit / Стойкость к загрязнению	UNI EN ISO 10545-14	Matt 8,5mm Classe 4 Safe 8,5mm Classe 4 Matt 9mm Classe 4 Safe 9mm Classe 4	Classe 3 min Class 3 min / Classe 3 min / Catégorie 3 min / Klasse 3 min / Класс 3 мин UNI EN 14411 G	
	RESISTENZA ALLO SCIVOLAMENTO Slip resistance / Resistencia al deslizamiento / Résistance au glissement / Rutschfestigkeit / Сопротивление скольжению	DIN EN 16165:2021 Annex B	Matt 8,5mm R10 Safe 8,5mm R11 Matt 9mm R10 Safe 9mm R11	Da R9 a R13 From R9 to R13 / De R9 a R13 / De R9 à 13 / Von R9 auf R13 / От R9 до R13 BGR 181	
	RESISTENZA ALLO SCIVOLAMENTO A PIEDI NUDI Slip resistance barefoot / Resistencia al deslizamiento con pies descalzos / Résistance au glissement pieds nus / Rutschfestigkeit fuer den Barfußbereich / Сопротивление скольжению при хождении босиком	DIN EN 16165:2021 Annex A	Matt 8,5mm A+B Safe 8,5mm A+B+C Matt 9mm A+B Safe 9mm A+B+C	Da A a C From A to C / De A a C / De A à C / Von A auf C / От A до C GVU 26.17	
	DETERMINAZIONE COEFFICIENTE ATTRITO STATICO Static coefficient of friction C.O.F. / Determinación del coeficiente de fricción estática / Calcul du coefficient de frottement statique sec mouillé / Bestimmung des statischen Reibungskoeffizienten Trockenreibung Nassreibung / Определение коэффициента статического трения сухая поверхность мокрая поверхность	ASTM C 1028	Matt 8,5mm DRY 0,94 WET 0,66 Safe 8,5mm DRY 0,96 WET 0,76 Matt 9mm DRY 0,94 WET 0,66 Safe 9mm DRY 0,96 WET 0,76		
	DETERMINAZIONE COEFFICIENTE ATTRITO DINAMICO Dynamic coefficient of friction D.C.O.F. / Determinación del coeficiente de fricción dinamica / Calcul du coefficient de frottement dynamique sec mouillé / Bestimmung des statischen Reibungskoeffizienten Trockenreibung Nassreibung / Определение коэффициента динамического трения сухая поверхность мокрая поверхность	ANSI A326.3	Matt 8,5mm DRY - WET 0,50 Safe 8,5mm DRY - WET 0,70 Matt 9mm DRY - WET 0,50 Safe 9mm DRY - WET 0,70		
	STONALIZZAZIONE Shade Variation / Dénuancement / Variedad de tonalidades / Farbspiel / Разнотонность		V2	V1 Uniforme / Uniform / Uniforme / Uniforme / Gleichmäßig / Однородная V2 Leggera / Low / Légère / Ligera / Leicht / Легкая V3 Media / Medium / Moyenne / Media / Mittel / Средняя V4 Alta / Hight / Haute / Alta / Hoch / Высокая	

CARATTERISTICHE TECNICHE CROATIA MATT / GRIP		VALORI TIPICI		VALORI LIMITE PREVISTI	
Technical characteristics / Caractéristiques techniques Características técnicas / Technische Eigenschaften / Технические характеристики		Typical values Valeurs typiques Typische Werte Характерные значения		Expected limit values Valeurs limites prévues Erwartete Grenzwerte Предусмотренные предельные значения	
Classificazione secondo NORMA EN 14411 Bla annex G, UGL Norm/Classment/norma/Standard					
SPESSORE mm. 6 - 20 - thickness 0.24" - 0.8" Epaisseur / Espesor / Stärke / Толщина					
	DIMENSIONI Sizes / dimensiones / dimensions / Abmessungen / Технические характеристики	UNI EN ISO 10545-02	Conforme	REQUISITI INDICATI NELLA NORMA Requirements of standard / Requisitos indicados en la norma / Exigences visées par la norme-Anforderungen in der Norm angegeben / Требования стандарта UNI EN 14411 G	
	ASSORBIMENTO D'ACQUA Water Absorption / Absorción de agua / Absorption d'eau / Wasseraufnahme / Водопоглощение	UNI EN ISO 10545-03	Matt 6mm <=0.5% Grip 20mm <=0.5%	<= 0,5% UNI EN 14411 G	
	FORZA DI ROTTURA Breaking strength / Carga de rotura / Résistance aux chocs / Bruchlast / Распрушающее усилие	UNI EN ISO 10545-04	Matt 6mm > 700 N Grip 20mm > 5000 N	1300 N min UNI EN 14411 G	
	RESISTENZA ALLA FLESSIONE Modulus of rupture / Resistencia a la flexión / Résistance à la flexion / Biegefestigkeit / Стойкость на изгиб	UNI EN ISO 10545-04	Matt 6mm > 35 N/mm² Grip 20mm > 50 N/mm²	35 N/mm² min UNI EN 14411 G	
	RESISTENZA ALL'URTO Shock resistance / Resistencia al choque / Résistance aux chocs / Stoßfestigkeit / Сопротивление удару	UNI EN ISO 10545-05	COEFFICIENTE DI RESTITUZIONE Restitution coefficient / Coefficient de restitution / Restitutionskoeffizient / Коэффициент возврата Matt 6mm e > - Grip 20mm e > -	METODO DI PROVA DISPONIBILE Available test method / Método de prueba disponible / Méthode d'essai disponible / Verfügbare Testmethode / Доступная методика испытаний UNI EN 14411 G	
	RESISTENZA ALL'ABRASIONE PROFONDA Resistance to deep abrasion / Resistencia a la abrasión profunda / Résistance à l'abrasion profonde / Tiefenabriebfestigkeit / Стойкость к глубокому истиранию	UNI EN ISO 10545-06	Matt 6mm <= 175 mm³ Grip 20mm <= 175 mm³	175 mm³ max UNI EN 14411 G	
	DILATAZIONE TERMICA LINEARE Linear thermal expansion / Dilatación térmica lineal Dilatation thermique linéaire / Thermische Dilatation Линейное тепловое расширение	UNI EN ISO 10545-08	Matt 6mm 6,6 Grip 20mm -	(10-6 °C-1) METODO DI PROVA DISPONIBILE Available test method / Método de prueba disponible / Méthode d'essai disponible / Verfügbare Testmethode / Доступная методика испытаний UNI EN 14411 G	
	RESISTENZA AGLI SBALZI TERMICI Thermal shock resistance / Resistencia al choque térmico Résistance aux chocs thermiques / Temperaturwechselbe-ständigkeit Стойкость к тепловым перепадам	UNI EN ISO 10545-09	Matt 6mm Resiste Grip 20mm Resiste	METODO DI PROVA DISPONIBILE Available test method / Método de prueba disponible / Méthode d'essai disponible / Verfügbare Testmethode / Доступная методика испытаний UNI EN 14411 G	
	DILATAZIONE DOVUTA ALL'UMIDITÀ Determination of moisture expansion / Dilación causada por la humedad / Déterm- ination de la dilatation à l'humidité / Ausdehnung auf Grund von Feuchtigkeit / Расширение под воздействием влажности	UNI EN ISO 10545-10	Matt 6mm - Grip 20mm -	METODO DI PROVA DISPONIBILE Available test method / Método de prueba disponible / Méthode d'essai disponible / Verfügbare Testmethode / Доступная методика испытаний UNI EN 14411 G	
	RESISTENZA AL GELO Frost resistance / Resistencia al hielo / Résistance au gel / Frostbeständigkeit / Морозостойкость	UNI EN ISO 10545-12	Matt 6mm Resiste Grip 20mm Resiste	RICHIESTA Required / Solicitud / Requite / Gefordert / Требуется UNI EN 14411 G	
	RESISTENZA ALL'ATTACCO CHIMICO Chemical resistance / Resistencia al ataque químico / Résistance chimique / Che- mische Beständigkeit / Стойкость к химическому воздействию	UNI EN ISO 10545-13	Matt 6mm A Grip 20mm A Matt 6mm LB - HB Grip 20mm LA - HA	B Min UNI EN 14411 G REQUISITI INDICATI NELLA NORMA Requirements of standard / Requisitos indicados en la norma / Exigences visées par la norme / Anforderungen in der Norm angegeben / Требования стандарта	
	RESISTENZA ALLE MACCHIE Stain resistance / Resistencia a las manchas / Résistance aux taches / Fleckenbeständigkeit / Стойкость к загрязнению	UNI EN ISO 10545-14	Matt 6mm Classe 4 Grip 20mm Classe 5	Classe 3 min Class 3 min / Classe 3 min / Catégorie 3 min / Klasse 3 min / Класс 3 мин UNI EN 14411 G	
	RESISTENZA ALLO SCIVOLAMENTO Slip resistance / Resistencia al deslizamiento / Résistance au glissement / Rutschfestigkeit / Сопротивление скольжению	DIN EN 16165:2021 Annex B	Matt 6mm R9 Grip 20mm R11	Da R9 a R13 From R9 to R13 / De R9 a R13 / De R9 à 13 / Von R9 auf R13 / От R9 до R13 BGR 181	
	RESISTENZA ALLO SCIVOLAMENTO A PIEDI NUDI Slip resistance barefoot / Resistencia al deslizamiento con pies descalzos / Résistance au glissement pieds nus / Rutschfestigkeit fuer den Barfußbereich / Сопротивление скольжению при хождении босиком	DIN EN 16165:2021 Annex A	Matt 6mm A Grip 20mm A+B+C	Da A a C From A to C / De A a C / De A à C / Von A auf C / От A до C GVU 26.17	
	DETERMINAZIONE COEFFICIENTE ATTRITO STATICO Static coefficient of friction C.O.F. / Determinación del coeficiente de fricción estática / Calcul du coefficient de frottement statique sec mouillé / Bestimmung des statischen Reibungskoeffizienten Trockenreibung Nassreibung / Определение коэффициента статического трения сухая поверхность мокрая поверхность	ASTM C 1028	Matt 6mm DRY 0,91 WET 0,70 Grip 20mm DRY 0,60 WET 0,60		
	DETERMINAZIONE COEFFICIENTE ATTRITO DINAMICO Dynamic coefficient of friction D.C.O.F. / Determinación del coeficiente de fricción dinamica / Calcul du coefficient de frottement dynamique sec mouillé / Bestimmung des statischen Reibungskoeffizienten Trockenreibung Nassreibung / Определение коэффициента динамического трения сухая поверхность мокрая поверхность	ANSI A326.3	Matt 6mm DRY - WET >0,42 Grip 20mm DRY - WET >0,42		
	STONALIZZAZIONE Shade Variation / Dénuancement / Variedad de tonalidades / Farbspiel / Разнотонность		V2	V1 Uniforme / Uniform / Uniforme / Uniforme / Gleichmäßig / Однородная V2 Leggera / Low / Légère / Ligera / Leicht / Легкая V3 Media / Medium / Moyenne / Media / Mittel / Средняя V4 Alta / Hight / Haute / Alta / Hoch / Высокая	

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Laying with leveling spacers (wedges) to lay floors and wall coverings using formats with sides greater than 60 cm, Cerdomus recommends the use of leveling spacers that allow the surface to be perfectly flat, keeping each tile in place and reducing laying time.

We recommend laying tiles taking them alternately from different boxes, spreading them across 4 square meters on the ground to check the overall effect; shade variation is a special tile feature. During laying, we recommend a 2 mm grout joint and the use of leveling spacers. For smoothed tiles, we recommend exercising caution in handling and laying operations. Once laid, we recommend protecting the floor until all other construction work is completed. Tiles with smooth or satin surface may, with time, undergo slight variations in color and gloss, which give them a natural distressed look.

To enhance the effect of shaded materials it is recommended to alternate items from different boxes while laying. When laying ground products it is advisable to use a self-levelling floor plaster with joints of not less than 2 mm. Cerdomus S.r.l. do not accept responsibility for defects resulting from the incorrect laying of materials. Maximum care should be taken when handling and laying polished products, in particular avoiding rubbing the tiles against each other. When laying is complete it is advisable to protect the floor with cardboard up until completion of building work on the site. Owing to the special nature of these tiles we recommend that you quickly wipe the tiles with special detergents after grouting.

Laying instructions for large formats

In addition to the information provided in the laying instructions in the previous paragraph, before carrying out any work on the slab or its installation, it is necessary to check the conformity of the material and whether it is a good match for the colour tones present on the worksite. No complaints will be accepted regarding materials that are already finished and laid. For correct installation, at the moment of application the slab must respect all the requirements indicated in the relevant regulation, UNI 11493-1. If such requirements are not fulfilled, it is necessary to proceed with reparative measures. It is the responsibility of the designer or the project management to identify the product with the most appropriate friction coefficient based on its planned use. The screed must be perfectly flat and guarantee resistance to compression according to the planned use, as indicated in current legislation. To prevent possible formation of efflorescence, the screed must present a humidity value below 3%. Before proceeding with the laying phase, the screed must be clean, and any possible cement residues, crumbling sections or parts not completely attached must be removed. Any cracks that may form after hygrometric shrinkage must be sealed before beginning the laying phase.

Slab handling and installation

During the preliminary checks on the construction site, it is also advisable to ensure that the slabs can be easily handled within the installation location. All slab formats exceeding 100 cm in both length and width must be handled by 2 installers. For a correct slab handling, it is necessary to have available the suitable handling equipment from the moment the product is removed from the packaging. To ensure both the safety of the operators and the integrity of the material, the Cerdomus slabs must be handled and installed with the use of handling bars with suction cups. The special handling trolleys are ideal for use on site as a "warehouse" for one or more slabs, as well as for safely applying the adhesive on the back of the slab.

Slab cutting

Cutting operations must be performed on a flat, stable and level surface. We recommend using professional cutting guides mounted on a scoring trolley. Once the slab has been removed from the packaging and placed on the work surface, mark the size to be cut at both ends. Position and lock the cutting guide, taking into account the distance of the cutting blade. Etch the ends of the slab for about 5 cm by pushing the scoring trolley from the inside out, then etch the slab, making sure that you continue to exert pressure and move the trolley forward along the entire length of the cut. Move the slab in order to bring the incision line out of the work surface by about 5/10 cm. Remove the incision guide and position the special pliers over the engraved line and exert a light and progressive pressure downwards in order to complete the cutting operation. This operation will be very simple as Cerdomus products are tension-free and, therefore, easy to work with.

At this point, you can proceed with finishing, which must be carried out using the appropriate diamond pads or, alternatively, abrasive resinous discs.

We recommend completing the installation by the wet cutting or etching and splitting method. Avoid dry cutting with motorized tools during installation. Improper installation techniques can expose the installer to harmful dust.

L-cuts / Rectangular holes / Edging

Once the portion to be removed has been traced on the slab, it is advisable to drill 6/8 mm diameter holes at the junction point of the lines with wet or dry diamond core bits. Join the holes using an angle grinder equipped with a diamond disc (max. diameter 125 mm).

Gluing

Cerdomus slabs require the use of the double coat technique, i.e. the glue must be applied both on the substrate and on the back of the slab. We recommend using a C2F (E) S1/S2 class full-bed cement-based powder adhesive. Make sure that the surface to be coated is even, flat, free of dust and grease, and remove any dust that may come into contact with the slabs. Use an 8 mm toothed spatula to apply the adhesive on the surface to be covered, by straight rather than circular movements. Make sure that the teeth of the toothed spatula are never smaller than 5 mm (taking into account that the sum of the spatulas used for the substrate and the slab must be between 13 and 14 mm). To ensure the perfect installation of Cerdomus products, any air bubbles that may form between slab and adhesive must be flattened by vibration until an "even and full bed" of glue is obtained. To achieve this goal, we recommend that you use a manual rubber beater or an electric tile beater. For large-format slabs, we recommend using leveling spacers, making sure that the layer of adhesive between slab and screed is at least 4 mm, in order to avoid adhesive-free bubbles. The minimum recommended joint, in relation to the position of the expansion joints, is 2 mm. In the case of walls and floors in contact to be clad in ceramic slabs, it is essential to comply with this minimum width to ensure a perfect result over time. For covering, it is possible to create lower joints based on the appropriate technical checks to be carried out on site. The joints must be filled for at least 2/3 of the thickness with the appropriate sealant; therefore, it is necessary to ensure that no adhesive residues are inside the joints.



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Cerdomus S.r.l. products comply with the standards in force at present. Any indications of weight, measurements, dimensions, colours, shades any other data contained in the Cerdomus S.r.l. illustrative material are merely indicative and must not be understood as binding. Cerdomus S.r.l. reserves the right to modify the technical information reported on this catalogue. The colours and aesthetic features of the products are indicative, as it is not possible to faithfully reproduce them on paper. The photos and descriptions of Cerdomus products shown in the catalogues and other advertising materials are to be intended for illustration purposes. Colours and aesthetic characteristics, though aiming to be as faithful as possible, depend on the printing processes adopted from time to time. Furthermore, following the publication of advertising materials, production processes may undergo changes or technological adjustments, such as to affect the aesthetics of the product, thus giving rise to mild colour or pattern variations. The product may therefore show differences from what is shown or described in Cerdomus advertising materials.



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Cerdomus products meet different requirements of the LEED (Leadership in Energy and Environmental Design) standard: a set of sustainable building requirements which rank the energy and environmental efficiency of buildings. Effectively, it's a ratings system for green buildings. Under the LEED system, points are awarded for each sustainability requirement which is met. The point score determines the degree of certification awarded to the building.



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Cerdomus products contribute to earn LEED points since they contain over 40% of recycled materials and fall within the class of materials that emit a low amount of volatile organic compounds (VOCs). Light-coloured Cerdomus collections also minimise the impact on the microclimate of floors, tiling and external roofs (heat island effect) since they show a suitable solar reflectance index.

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