

# MODERN

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## CEMENTUM

GRIGIO, TAUPE, PLOMB



## BUILDTECH/

WHITE, BONE, CLAY, COAL



## FLOORTECH/1.0

1.0, 2.0



## INDUSTRIAL/

STEEL, IVORY, SAGE, PLOMB



## FLOWTECH/

RUSSET, AGED BRONZE, BURNISHED



## B&W

BLACK, WHITE



## RAWTECH/

RAW-WHITE, RAW-DUST, RAW-COAL



## ESPRIT DE REX

DECO'GRIS , DECO'BRUN, VINTAGE GRIS, VINTAGE BRUN



## ARTWORK

MICRO\_01, BASIC\_01, MACRO\_01 , MICRO\_02, BASIC\_02 , MACRO\_02, NEUTRAL\_00

# CEMENTUM



















# BUILDTECH/

## BUILDTECH/

Buildtech is a collection that includes aesthetic and material solutions, each different from the other. Continual and coherent research has enabled an intuitive approach to be developed, comprising interest and curiosity towards possible modes of living.

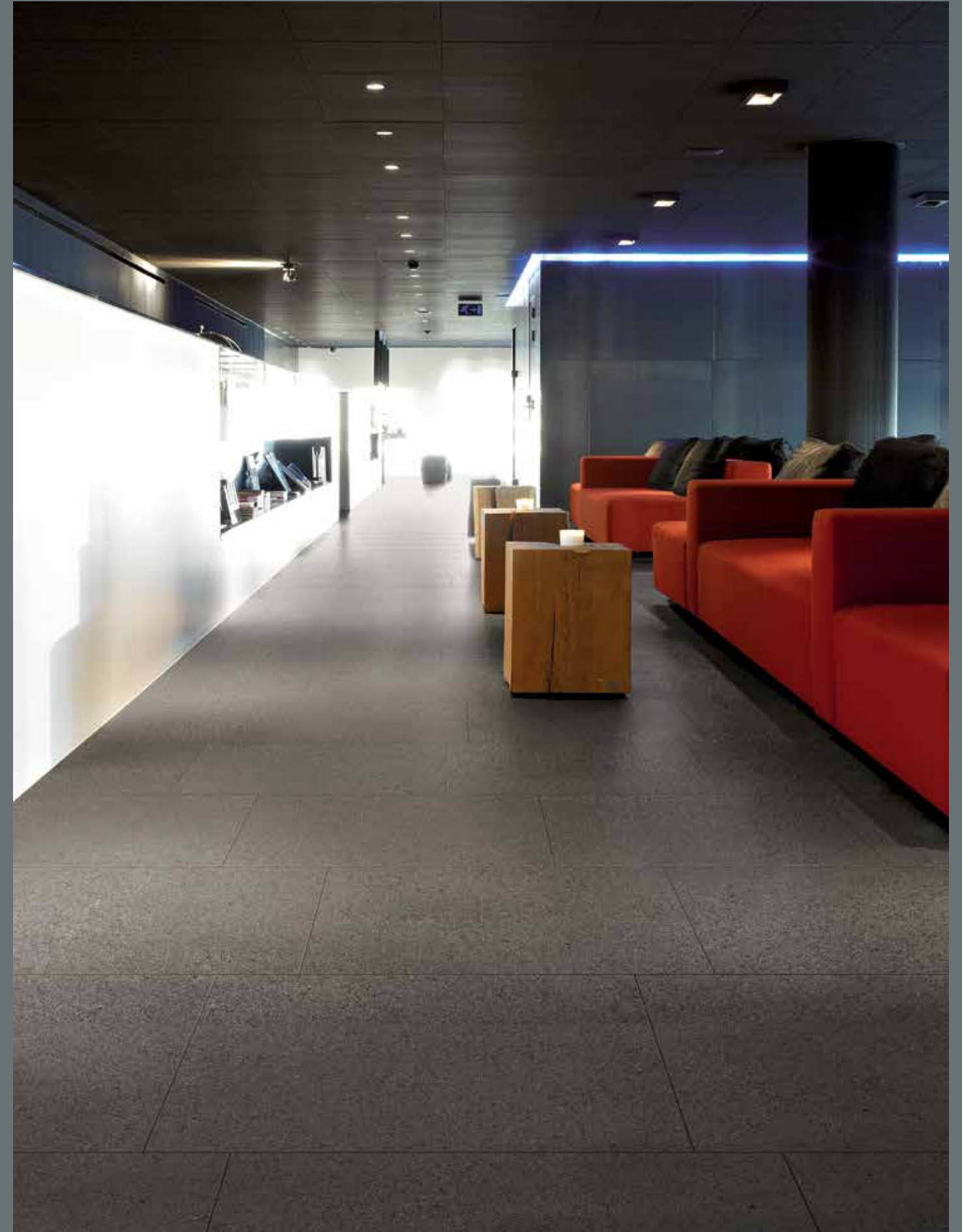
It interprets an essential but sophisticated style emphasized by the possibility of multiple combinations between different effects and different surfaces.















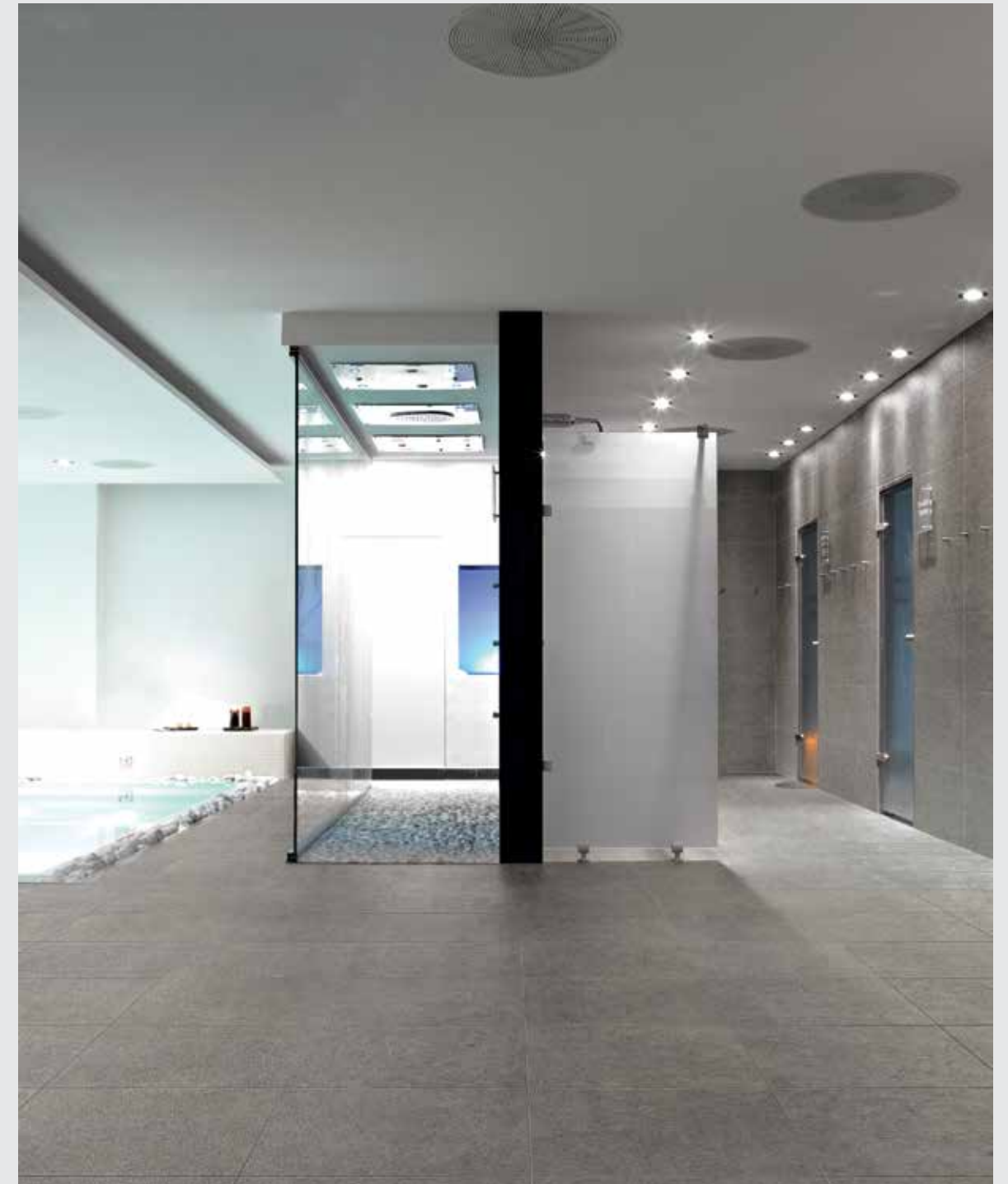
## FLOORTECH/1.0

### FLOORTECH/1.0

—  
This collection completes the Floor Gres range for integrated design, giving a new connotation to a natural element – stone – which has always been a constant in products from this technical brand.

The importance of origin, the strength of matter and the creativity of processing are all combined with the atmospheres of a thousand- year-old culture, using the perfect technology to become modern. Floortech/ 1.0 continues in the same vein of sophistication that Floorgres has always pursued, setting itself apart from standard styles, continuously challenging and experimenting. These 5 stones are the symbol of a strong and personal choice, giving life to intuitive projects with colours to create new shapes of living.







## FLOOR GRES INDUSTRIAL/

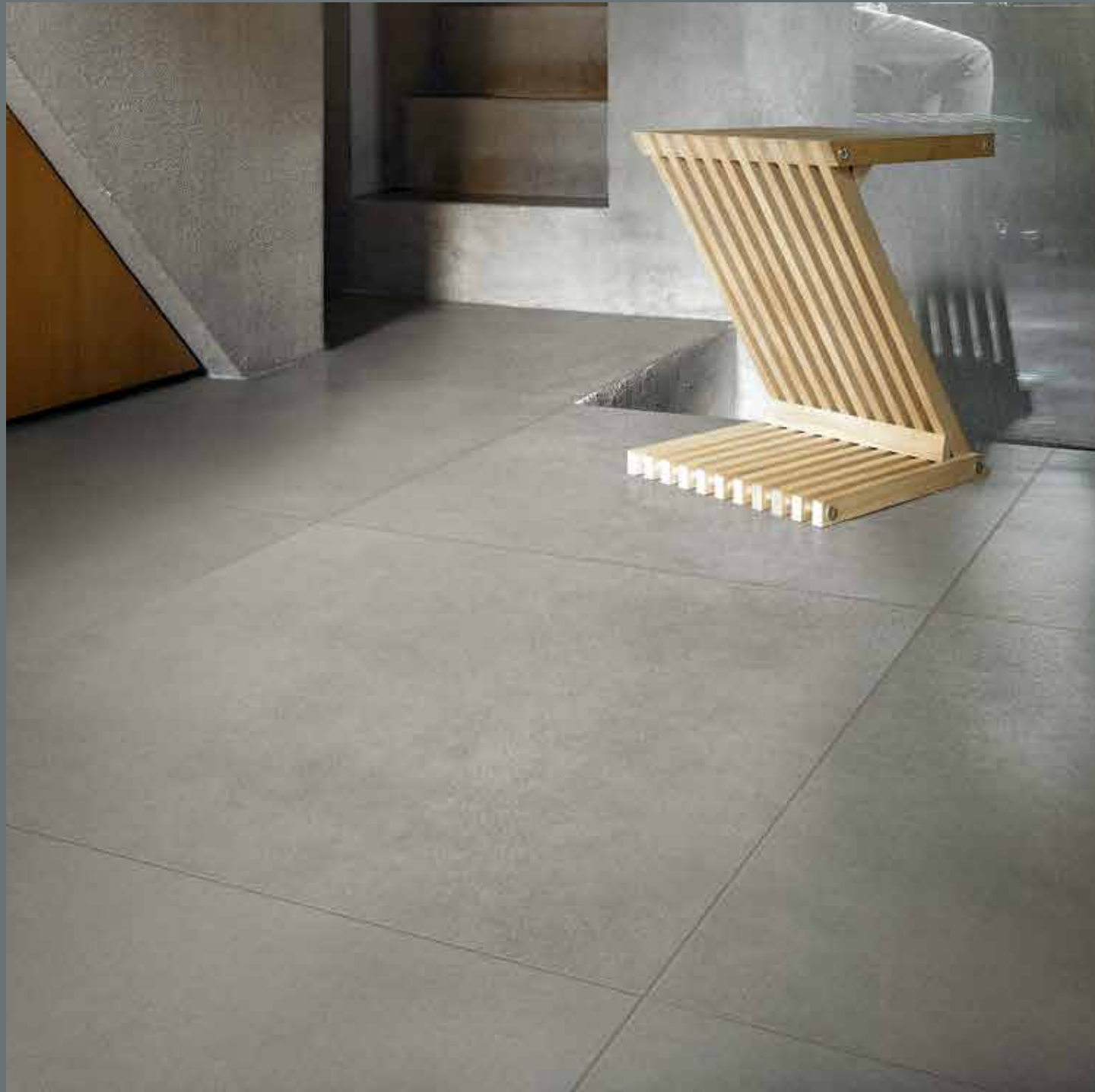
### INDUSTRIAL/

—  
The materials research carried out by Floor Gres is enriched by a new interpretation of cement with “Industrial”, offering a new style with an industrial accent, inspired by the world of machines filtered through an aesthetic vision. Erstwhile factories become modern metropolitan lofts, perfectly integrated in the surrounding area and given a warm touch by the presence of elements in wood and metal to offer new design inspirations and broaden the decorative possibilities of this Floor Gres range.











# FLOWTECH/

## FLOWTECH/ —

Out of the study of metal and its evolutionary transformation, FLOWTECH is born. The Flowtech porcelain stoneware sheets define the style of a public and private environment through a bold industrial appearance.

The iconic aesthetics of a specific selection of metals combines with the benefits of impervious properties over time and resistance to weather conditions that are so typical of “Made in Florim” porcelain stoneware.













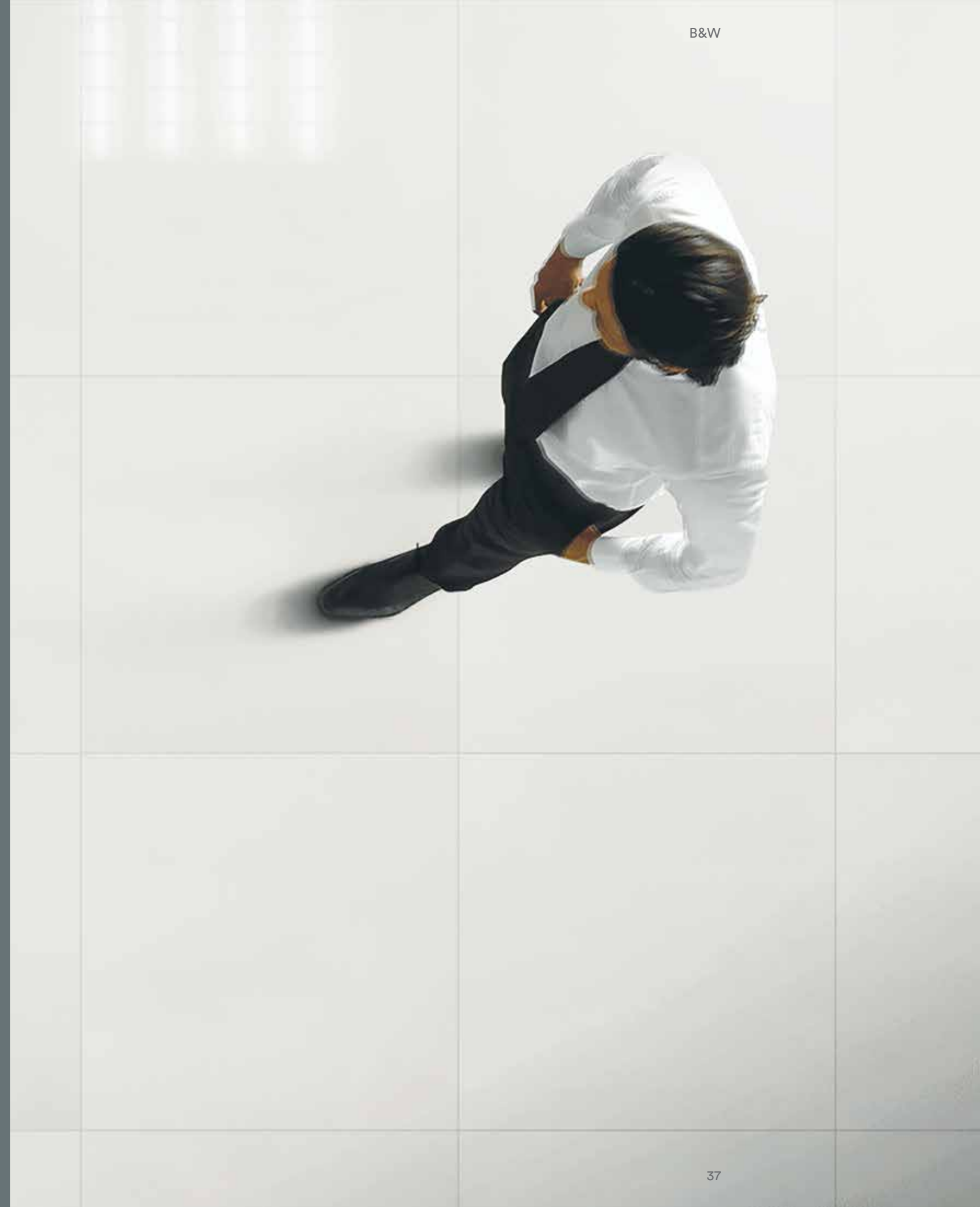
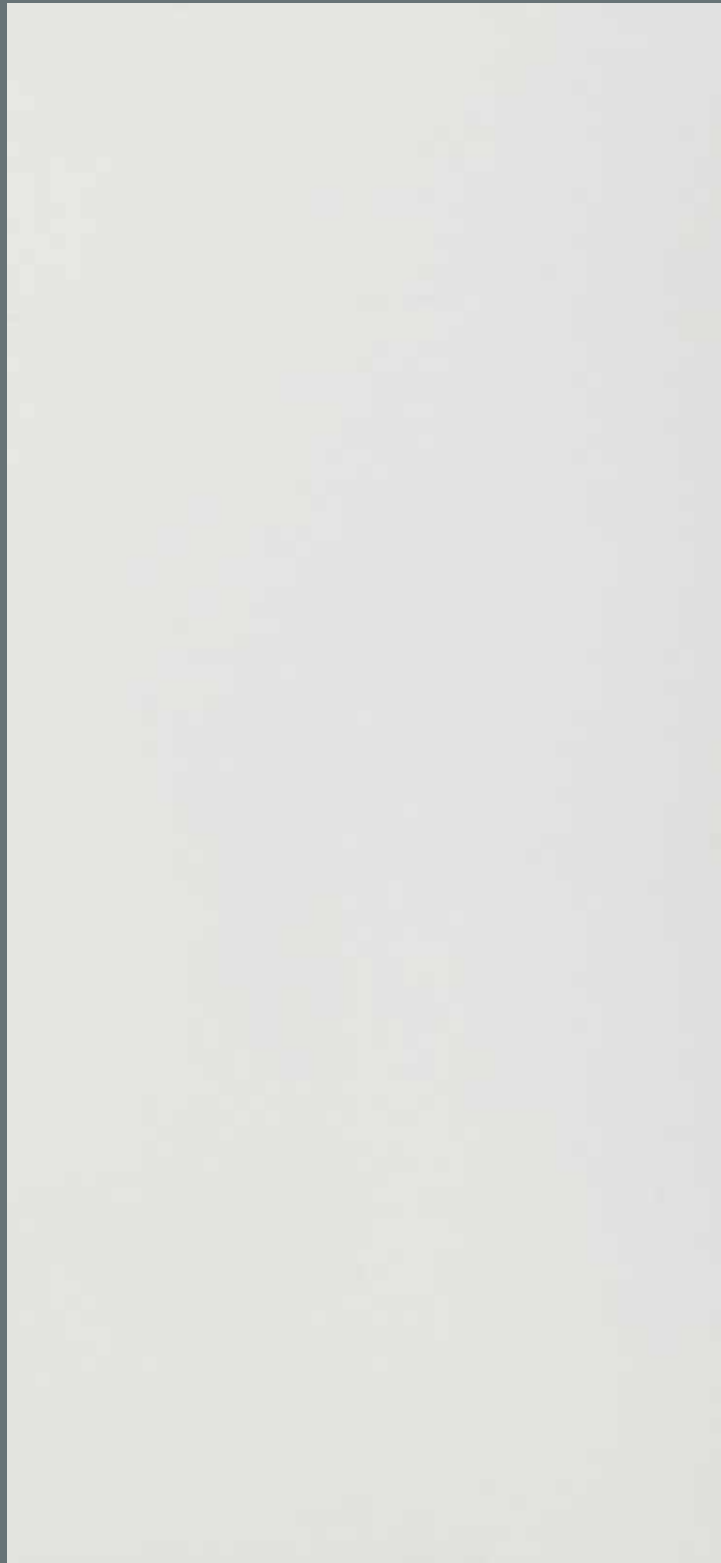


# B&W

## B&W

Thanks to a rigorous and simple but visually high impact design, Black & White perfectly interprets chromatic opposites with a decisive but never impersonal approach to give essential settings a fresh look with new suggestions in perfect balance. In Black & White, rational architecture finds the fine porcelain stoneware interpretation of a stylistic trend that seeks a meeting point in essential chromatic dualism.









## FLOOR GRES **RAWTECH/**

### RAWTECH/ —

Rawtech/ is the result of a design approach which aims to recapture the true identity of an essentially industrial product and at the same time appeal to the sophisticated demands of contemporary living styles. A tile with experience, worn by time, where imperfection becomes a hallmark, a prerequisite to better express its truly unmistakable style.









# ESPRIT DE REX

## ESPRIT DE REX

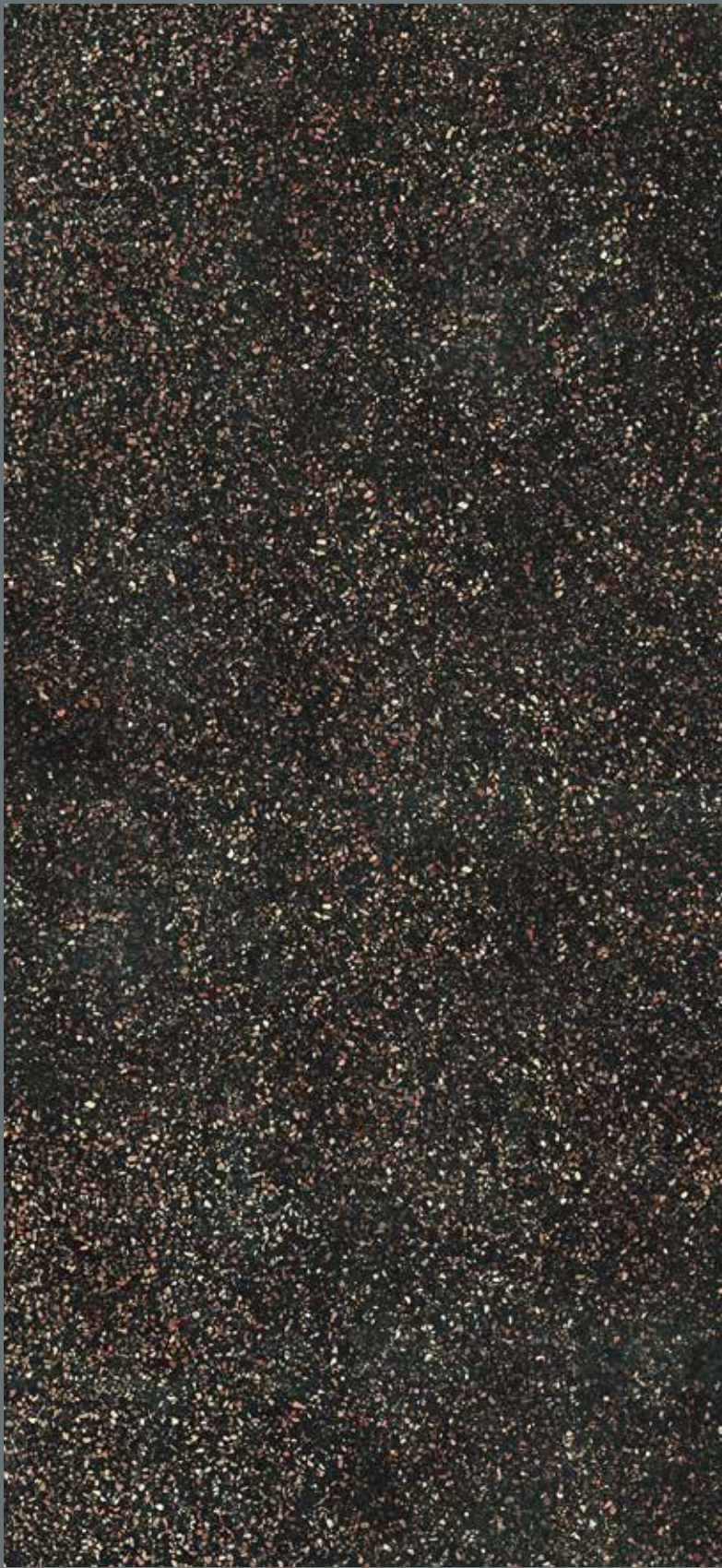
—  
This series reinterprets the materiality and minimalism of concrete in a new and suggestive way. Three different textures, two colors and a graphic decoration with a retro vibe may be combined together for an elegant and functional look. Esprit de Rex is the result of analyzing the balance between chromatic impressions and architectural proportions.







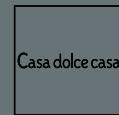












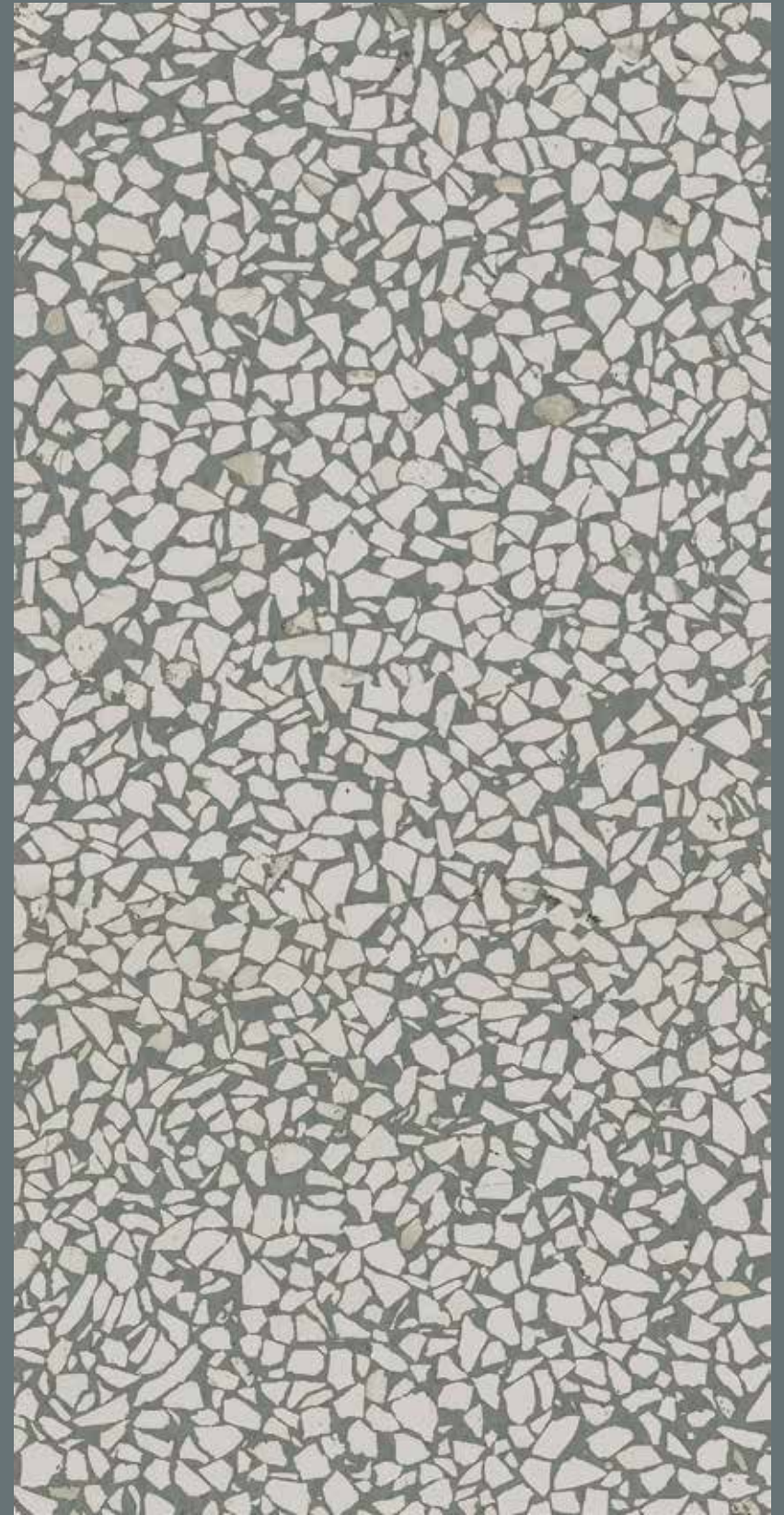
# ARTWORK

## ARTWORK

Small fragments of material and color design a stylized texture with irregular geometries halfway between battuto Veneziano tiles and the Memphis Style patterns of 1980s Milan. With the usual experimental approach of Casamood, Artwork investigates its original inspiration to disassemble and reorganize it, transforming an ancient art of tradition into a new, informed and pondered design technique.











PRODUCT INFORMATION

CEMENTUM



GRIGIO

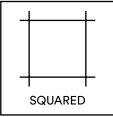


60×60 cm. (23 <sup>5⁄8</sup> "x23 <sup>5⁄8</sup> ")	60×120 cm. (23 <sup>5⁄8</sup> "x47 <sup>1⁄8</sup> ")
	
NATURALE	
745125	745133
THICKNESS: 10 mm. (3⁄8")	

TAUPE



60×60 cm. (23 <sup>5⁄8</sup> "x23 <sup>5⁄8</sup> ")	60×120 cm. (23 <sup>5⁄8</sup> "x47 <sup>1⁄8</sup> ")
	
NATURALE	
745126	745134
THICKNESS: 10 mm. (3⁄8")	



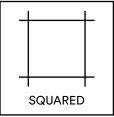
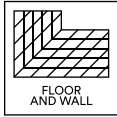


PLOMB

CEMENTUM



60×60 cm. (23 <sup>5/8</sup> "x23 <sup>5/8</sup> ")	60×120 cm. (23 <sup>5/8</sup> "x47 <sup>1/8</sup> ")
NATURALE	
745124	745132
THICKNESS: 10 mm. (3/8")	



WHITE GG



40×80 cm. (15 <sup>3/4"</sup> ×31 <sup>1/2"</sup> )			80×80 cm. (31 <sup>1/2"</sup> ×31 <sup>1/2"</sup> )	
R10	R11	LEVIGATO	R10	LEVIGATO
748971	748983	748977*	748917*	748923*
THICKNESS: 10 mm. (3/8")				

BONE GG



40×80 cm. (15 <sup>3/4"</sup> ×31 <sup>1/2"</sup> )			80×80 cm. (31 <sup>1/2"</sup> ×31 <sup>1/2"</sup> )	
R10	R11	LEVIGATO	R10	LEVIGATO
748972	748984	748978*	748918*	7489248*
THICKNESS: 10 mm. (3/8")				

CLAY GG



40×80 cm. (15 <sup>3/4"</sup> ×31 <sup>1/2"</sup> )			80×80 cm. (31 <sup>1/2"</sup> ×31 <sup>1/2"</sup> )	
R10	R11	LEVIGATO	R10	LEVIGATO
748974	748986	748980*	748920*	748908*
THICKNESS: 10 mm. (3/8")				

COAL GG



40×80 cm. (15 <sup>3/4"</sup> ×31 <sup>1/2"</sup> )			80×80 cm. (31 <sup>1/2"</sup> ×31 <sup>1/2"</sup> )	
R10	R11	LEVIGATO	R10	LEVIGATO
748976	748988	748982*	748922*	748928*
THICKNESS: 10 mm. (3/8")				

\* This item is not the standard item in our inventory.  
Estimate lead time for the delivery is 60 days

FLOOR  
AND WALL

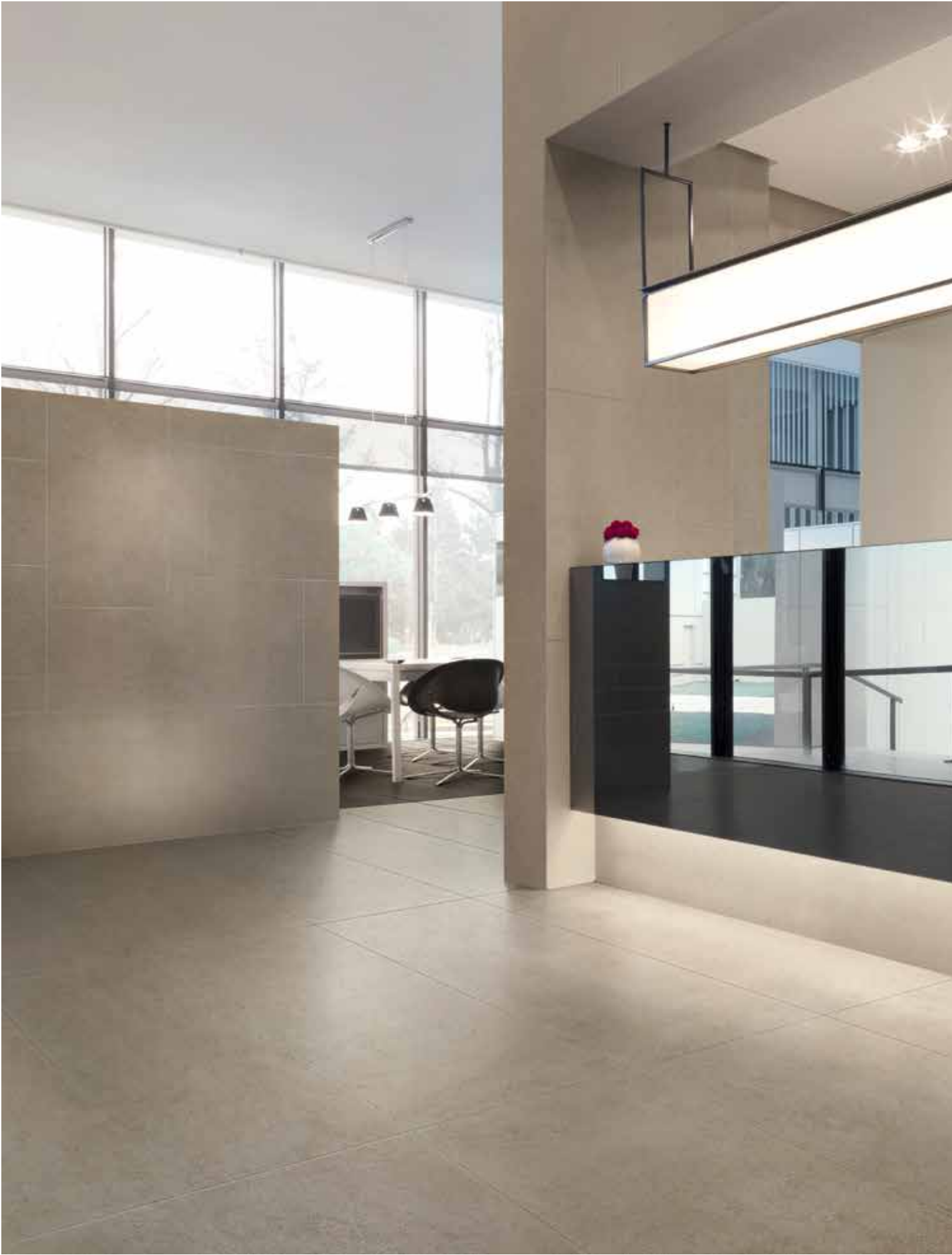
FLORIM  
COLOR SYSTEM

SQUARED

V2-MODERATE  
SHADE  
VARIATION

HC  
HEAVY  
COMMERCIAL





FLOORTECH/1.0

1.0



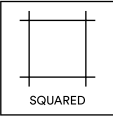
40×80 cm. (15 <sup>3/4</sup> "x31 <sup>1/2</sup> ")	80×80 cm. (31 <sup>1/2</sup> "x31 <sup>1/2</sup> ")
	
SOFT	
738567*	738425*
THICKNESS: 10 mm. (3/8")	

2.0



40×80 cm. (15 <sup>3/4</sup> "x31 <sup>1/2</sup> ")	80×80 cm. (31 <sup>1/2</sup> "x31 <sup>1/2</sup> ")
	
SOFT	
738568*	738426*
THICKNESS: 10 mm. (3/8")	


\* This item is not the standard item in our inventory.  
Estimate lead time for the delivery is 60 days



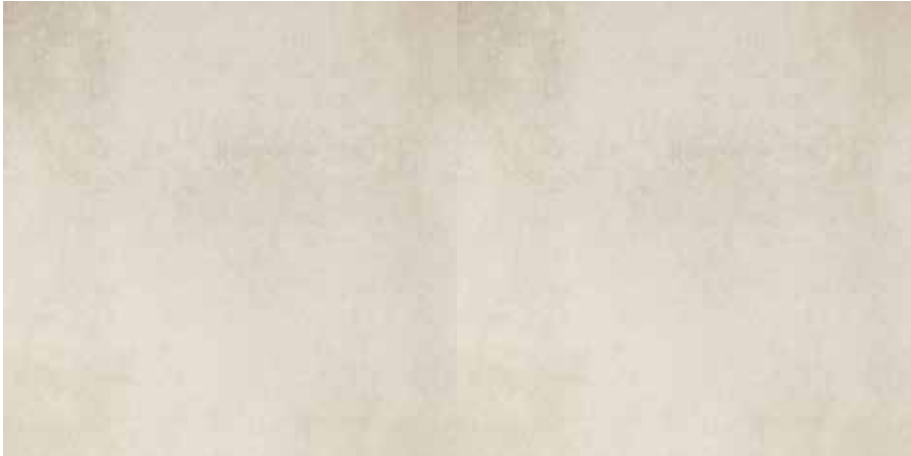




STEEL



40×80 cm. (15 <sup>3/4"</sup> ×31 <sup>1/2"</sup> )	80×80 cm. (31 <sup>1/2"</sup> ×31 <sup>1/2"</sup> )
	
NATURALE	SOFT
738830	738664
THICKNESS: 10 mm. (3/8")	

IVORY



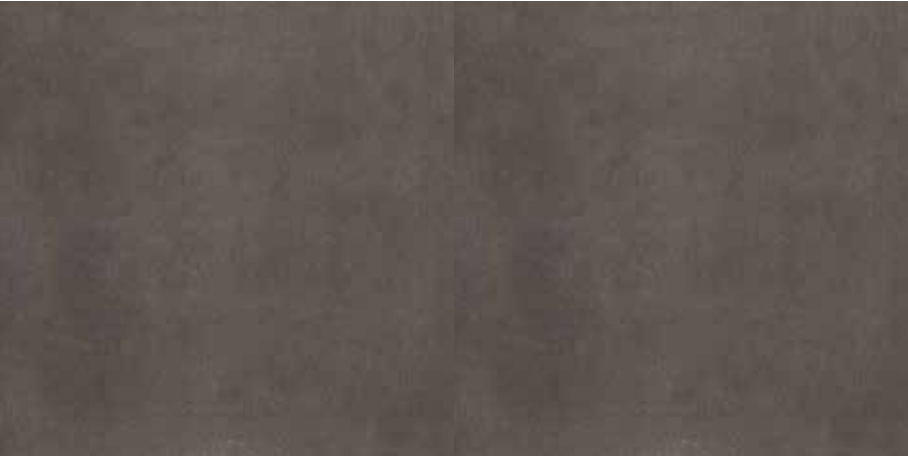
40×80 cm. (15 <sup>3/4"</sup> ×31 <sup>1/2"</sup> )	80×80 cm. (31 <sup>1/2"</sup> ×31 <sup>1/2"</sup> )
	
NATURALE	SOFT
738828	738662
THICKNESS: 10 mm. (3/8")	

SAGE



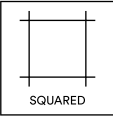
40×80 cm. (15 <sup>3/4"</sup> ×31 <sup>1/2"</sup> )	80×80 cm. (31 <sup>1/2"</sup> ×31 <sup>1/2"</sup> )
	
NATURALE	SOFT
738829*	738663*
THICKNESS: 10 mm. (3/8")	

PLOMB



40×80 cm. (15 <sup>3/4"</sup> ×31 <sup>1/2"</sup> )	80×80 cm. (31 <sup>1/2"</sup> ×31 <sup>1/2"</sup> )
	
NATURALE	SOFT
738833*	738667*
THICKNESS: 10 mm. (3/8")	

\* This item is not the standard item in our inventory.  
Estimate lead time for the delivery is 60 days





RUSSET



60×60 cm. (23 <sup>5/8</sup> "x23 <sup>5/8</sup> ")	80×80 cm. (31 <sup>1/2</sup> "x31 <sup>1/2</sup> ")
NAT	NAT
757073	757064
THICKNESS: 10 mm. (3/8")	

AGED BRONZE



60×60 cm. (23 <sup>5/8</sup> "x23 <sup>5/8</sup> ")	80×80 cm. (31 <sup>1/2</sup> "x31 <sup>1/2</sup> ")
NAT	NAT
757074	757065
THICKNESS: 10 mm. (3/8")	

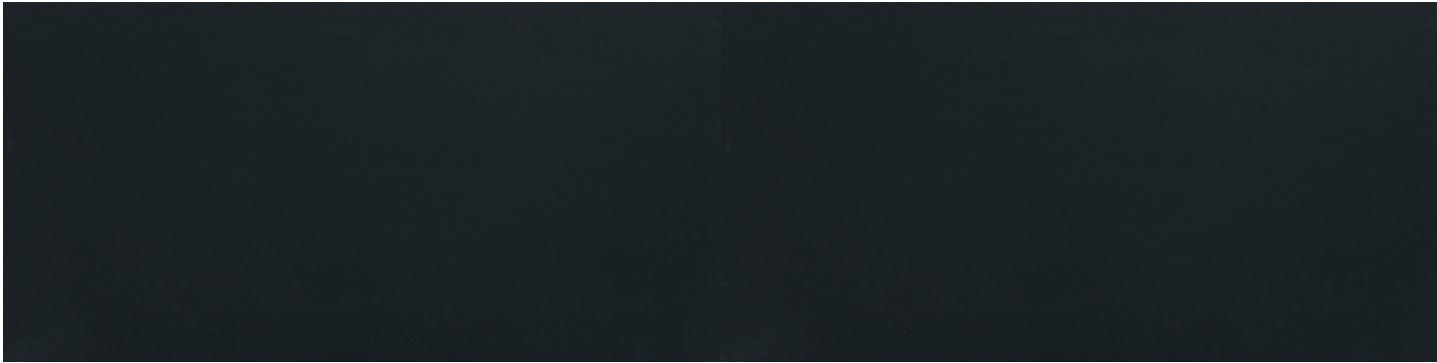
BURNISHED





60×60 cm. (23 <sup>5/8</sup> "x23 <sup>5/8</sup> ")	80×80 cm. (31 <sup>1/2</sup> "x31 <sup>1/2</sup> ")
NAT	NAT
757075	757066
THICKNESS: 10 mm. (3/8")	



BLACK

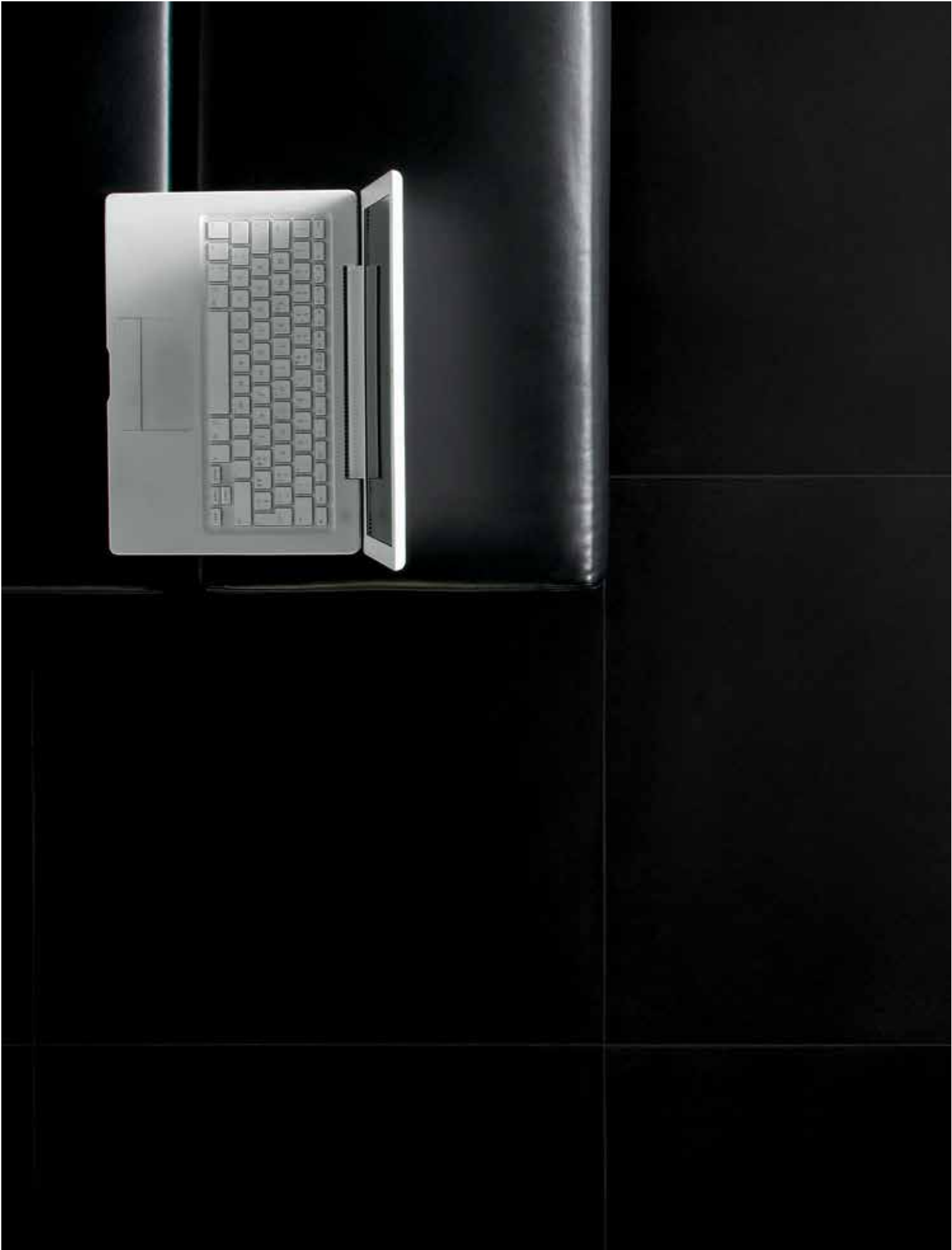
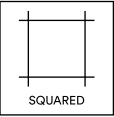
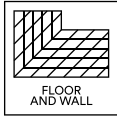


60×120 cm. (23 <sup>5/8</sup> "x23 <sup>5/8</sup> ")	60×120 cm. (23 <sup>5/8</sup> "x23 <sup>5/8</sup> ")
	
NAT	LEVIGATO
755566	755568
THICKNESS: 10 mm. (3/8")	

WHITE



60×120 cm. (23 <sup>5/8</sup> "x23 <sup>5/8</sup> ")	60×120 cm. (23 <sup>5/8</sup> "x23 <sup>5/8</sup> ")
	
NAT	LEVIGATO
755567	755569
THICKNESS: 10 mm. (3/8")	





RAW-WHITE



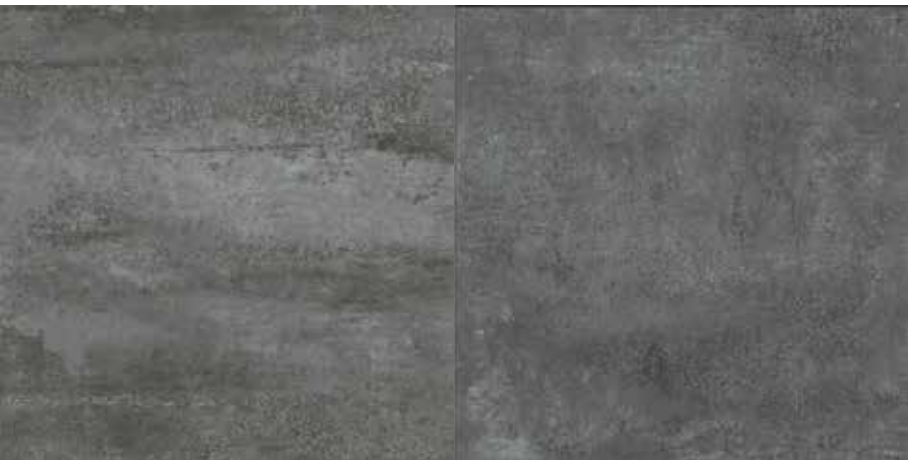
80×80 cm. (31 <sup>1</sup> / <sub>2</sub> "x31 <sup>1</sup> / <sub>2</sub> ")	30×60 cm. (12"x23 <sup>5</sup> / <sub>8</sub> ")
NATURALE	STRUCTURE
752188*	752208*
THICKNESS: 10 mm. (3/8")	

RAW-DUST



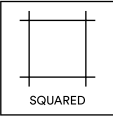
80×80 cm. (31 <sup>1</sup> / <sub>2</sub> "x31 <sup>1</sup> / <sub>2</sub> ")	30×60 cm. (12"x23 <sup>5</sup> / <sub>8</sub> ")
NATURALE	STRUCTURE
752191*	752211*
THICKNESS: 10 mm. (3/8")	

RAW-COAL



80×80 cm. (31 <sup>1</sup> / <sub>2</sub> "x31 <sup>1</sup> / <sub>2</sub> ")	30×60 cm. (12"x23 <sup>5</sup> / <sub>8</sub> ")
NATURALE	STRUCTURE
752189*	752209*
THICKNESS: 10 mm. (3/8")	

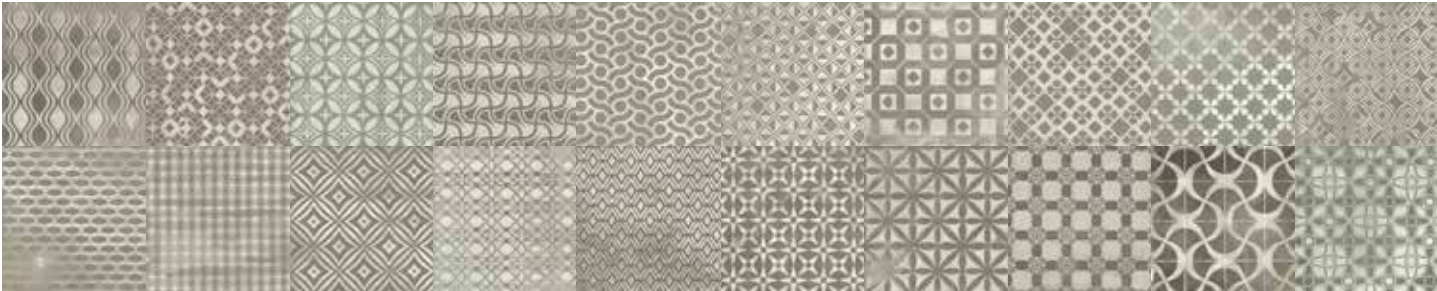
\* This item is not the standard item in our inventory.  
Estimate lead time for the delivery is 60 days



DECO'GRIS



ESPRIT DE REX



20×20 cm. (8`x8`)



762083

THICKNESS: 10 mm. (3/8")

DECO'BRUN



20×20 cm. (8`x8`)



762084

THICKNESS: 10 mm. (3/8")

VINTAGE GRIS



60×120 cm. (23<sup>5/8</sup>`x47<sup>1/8</sup>`)



762071

THICKNESS: 10 mm. (3/8")

VINTAGE BRUN

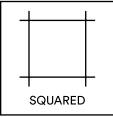


60×120 cm. (23<sup>5/8</sup>`x47<sup>1/8</sup>`)



762072

THICKNESS: 10 mm. (3/8")






MICRO\_01

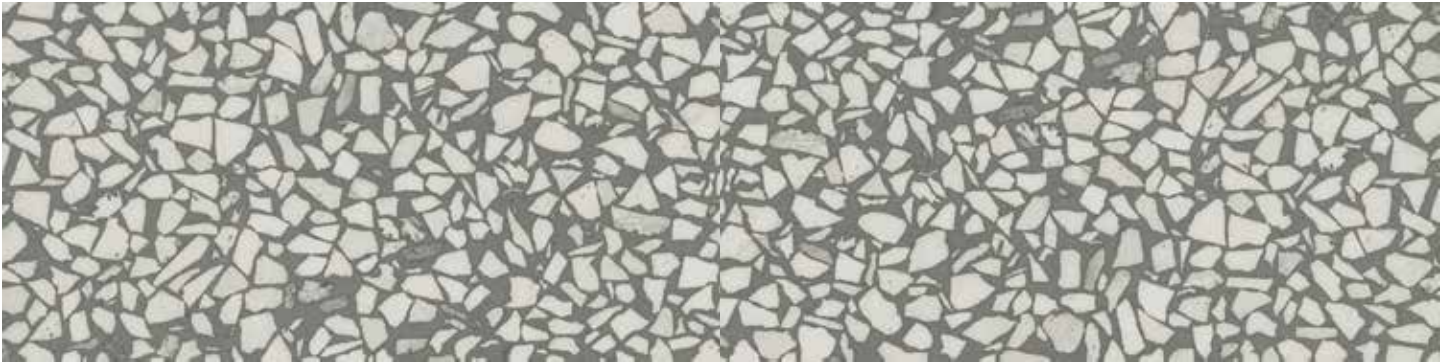


ARTWORK



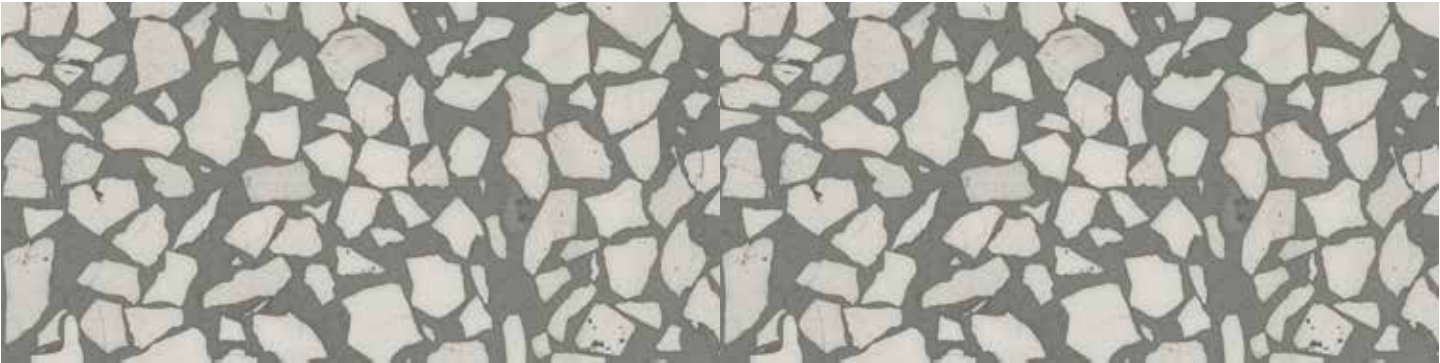
60×120 cm. (23 <sup>5/8</sup> "x47 <sup>1/8</sup> ")	60×120 cm. (23 <sup>5/8</sup> "x47 <sup>1/8</sup> ")
	
GLOSSY	MATTE
757540	757519
THICKNESS: 10 mm. (3/8")	


BASIC\_01

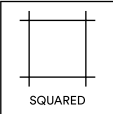


60×120 cm. (23 <sup>5/8</sup> "x47 <sup>1/8</sup> ")	60×120 cm. (23 <sup>5/8</sup> "x47 <sup>1/8</sup> ")
	
GLOSSY	MATTE
757541	757520
THICKNESS: 10 mm. (3/8")	

MACRO\_01

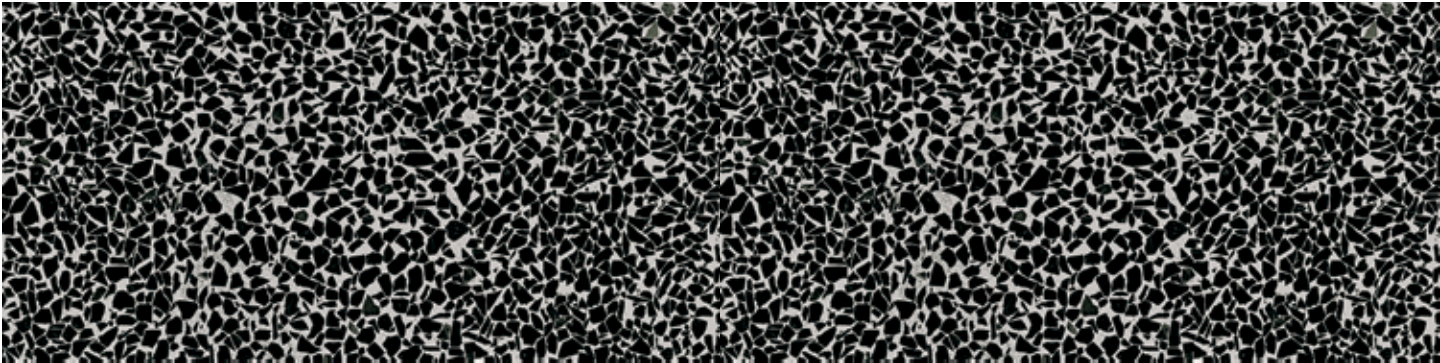




60×120 cm. (23 <sup>5/8</sup> "x47 <sup>1/8</sup> ")	60×120 cm. (23 <sup>5/8</sup> "x47 <sup>1/8</sup> ")
	
GLOSSY	MATTE
757542	757521
THICKNESS: 10 mm. (3/8")	







MICRO\_02



60×120 cm. (23 <sup>5⁄8</sup> "x47 <sup>1⁄8</sup> ")	60×120 cm. (23 <sup>5⁄8</sup> "x47 <sup>1⁄8</sup> ")
	
GLOSSY	MATTE
757543	757522
THICKNESS: 10 mm. (3⁄8")	


BASIC\_02



60×120 cm. (23 <sup>5⁄8</sup> "x47 <sup>1⁄8</sup> ")	60×120 cm. (23 <sup>5⁄8</sup> "x47 <sup>1⁄8</sup> ")
	
GLOSSY	MATTZ
757544	757523
THICKNESS: 10 mm. (3⁄8")	



MACRO\_02



60×120 cm. (23 <sup>5⁄8</sup> "x47 <sup>1⁄8</sup> ")	60×120 cm. (23 <sup>5⁄8</sup> "x47 <sup>1⁄8</sup> ")
	
GLOSSY	MATTZ
757545	757524
THICKNESS: 10 mm. (3⁄8")	

NEUTRAL\_00












60×120 cm. (23 <sup>5⁄8</sup> "x47 <sup>1⁄8</sup> ")	60×120 cm. (23 <sup>5⁄8</sup> "x47 <sup>1⁄8</sup> ")
	
GLOSSY	MATTZ
757546	757525
THICKNESS: 10 mm. (3⁄8")	













TECHNICAL  
CHARACTERISTICS










CEMENTUM

	FINE PORCELAIN STONEWARE Dry-pressed ceramic tiles. Quality specifications, according to control tests of E.N. 14411. Appendix G group B1a UGL.					
	PRODUCT AREA S (CM2)	STANDARD REQUIREMENTS			TEST RESULTS	REFERENCE STANDARD
		7cm ≤ N < 15 cm	N ≥ 15 cm			
		(mm)	(%)	(mm)		
	LENGTH AND WIDTH: ADMITTED DEVIATION, IN %, OF THE AVERAGE SIZE OF EACH TILE FROM THE PRODUCTION DIMENSIONS	±0,9 mm	±0,6%	±2,0 mm	±0,15%	ISO 10545-2
	ADMITTED DEVIATION, IN %, OF THE AVERAGE THICKNESS OF EACH TILE FROM THE PRODUCTION DIMENSIONS	±0,5 mm	±5%	±0,5 mm	±5%	
	MAXIMUM STRAIGHTNESS DEVIATION, IN %, IN RELATION TO THE CORRESPONDING PRODUCTION DIMENSIONS	±0,75 mm	±0,5%	±1,5 mm	±0,1%	
	CORRISPONDENTI MAXIMUM RIGHT-ANGLE DEVIATION, IN %, IN RELATION TO THE CORRESPONDING PRODUCTION DIMENSIONS	±0,75 mm	±0,5%	±2 mm	±0,2%	
	FLATNESS (CURVING IN THE MIDDLE, CORNER AND WARPING)	±0,75 mm	±0,5%	±2 mm	±0,35%	
	SURFACE QUALITY	AT LEAST 95% OF THE TILES MUST BE FREE FROM VISIBLE FLAWS.			CONFORMING	
	% WATER ABSORPTION	E≤0,5%			<0,1 %	ISO 10545-3
	BREAKING STRENGTH IN N (thickness ≥ 7,5 mm)	1300 min			>1700	ISO 10545-4
	N/mm2 FLEXURAL STRENGHT TEST	35 min			>40	
	RESISTANCE TO DEEP ABRASION OF UNGLAZED TILES	SEE MANUFACTURER'S DECLARATION			<150 mm3	ISO 10545-6
	THERMAL SHOCKS RESISTANT	-			RÉSISTANT	ISO 10545-9
	FROST RESISTANCE	REQUIRED			RÉSISTANT	ISO 10545-12
	RESISTANCE TO STAINING	CLASSE 3 min			CLASSE 4	ISO 10545-14
	DOMESTIC CHEMICAL PRODUCTS AND ADDITIVES FOR SWIMMING POOLS	UB min			UA	ISO 10545-13
	RESISTANCE TO LOW CONCENTRATIONS OF ACIDS AND ALKALIS.	MANUFACTURER'S DECLARATION			ULA	
	RESISTANCE TO HIGH CONCENTRATIONS OF ACIDSAND ALKALI				UHA	
	FRICTION COEFFICIENT (SLIPPERINESS)	-			R10 (NATURALE)	DIN 51130:2010

FOR OPTIMAL INSTALLATION RESULTS, COTTO RECOMMENDS MAINTAINING A JOINT OF 2 MM - 1/12" FOR SINGLE FORMAT INSTALLATIONS AND 3 MM - 1/8" TO COMBINE MIXED FORMATS.










	SPECIFICATION REFERENCE Pendulum friction test BS7976	TEST METHOD	REFERENCE STANDARD	DECLARED VALUE
	Pendulum friction test	BS7976	–	> 0,40 wet SLATEHAMMERED
	Dynamic coefficient of friction (section 9.6 ANSI A 137.1 2012)	DCOF	>0,42 wet	>0,42 wet MATTE SLATEHAMMERED
	Barefoot slip resistance	DIN51097	–	Cl. A+B+C SLATEHAMMERED
			–	Cl. A+B MATTE
	Slip resistance with shoes	DIN51130: 2010	–	R10 MATTE
			–	R11 SLATEHAMMERED
	Frost resistance	ISO–10545–12	Required	RESISTANT
	Resistance to high concentrations of acids and alkali	ISO–10545–13	See manufacturer's declaration	UHA MATTE SLATEHAMMERED
				UHB POLISHED
				ULA MATTE SLATEHAMMERED
	Resistance to low concentrations of acids and alkali			ULB POLISHED
	Resistance to domestic chemicals and additives for swimming pools		UB minimum	UA
	Resistance to staining	ISO–10545–14	–	4
	Maximum rightangle deviation, in %, in relation to the corresponding production dimensions	ISO–10545–2	±0,5% (±2 mm)	±0,2%
			±0,5% (±1,5 mm)	±0,1%
	Surface quality		At least 95% of the tiles must be free from visible flaws	CONFORMING
	Admitted deviation, in %, of the average thickness of each tile from the production dimensions		±5% (±0,5 mm)	±5%
	Flatness (centre curvature / edge curvature / warpage)		±0,5% (±2mm)	±0,35%
	Length and width: admitted deviation, in %, of the average size of each tile from the production dimensions		±0,6% (±2 mm)	±0,15%
	Amount of water absorbed, in percentage	ISO–10545–3	E<0,5%	average value 0,08%
	Bending strength in N/mm2	ISO–10545–4	>35 N/mm2	average value 52 (sp. / thickness / ép. / Dicke / gr. 20mm)
			>35 N/mm2	average value 50 (sp. / thickness / ép. / Dicke / gr. 10mm)
	Breaking strength in N (thickness >= 7,5 mm)		≥1300 Newton	average value 14000 (sp. / thickness / ép. / thickness / ép. / Dicke / gr. 20mm)
			≥1300 Newton	average value 3200 (sp. / thickness / ép. / Dicke / gr. 10mm)
	Resistance to deep abrasion of unglazed tiles	ISO–10545–6	<175 mm3	average value 140 mm3
	Thermal shock resistance	ISO–10545–9	–	RESISTANT

FOR OPTIMAL INSTALLATION RESULTS, FLOOR GRES RECOMMENDS MAINTAINING A JOINT OF 2 MM 1/12” FOR SINGLE FORMAT INSTALLATIONS AND 3 MM 1/8” TO COMBINE MIXED FORMATS. N.B.  
The test results refer to only first class items and they do not regard the trim pieces.










	FINE PORCELAIN STONEWARE Specification Reference: E.N. 14411, Appendix G. Bunch B1a.GL	TEST METHOD	REFERENCE STANDARD	DECLARED VALUE
	DIMENTIONAL Characteristics	ISO 10545-2		CONFORMING
	% WATER ABSORPTION	ISO 10545-3	<0.5%	<0. 10%
	BREAKAGE RESISTENCE IN N (SP.>=7,5 MM.)	ISO 10545-4	1300 MIN.	>1700
	N/mm² FLEXURAL STRENGHT TEST		35 MM.	>40
	RESISTANCE TO DEEP ABRATION OF UNGLAZED TILES	ISO 10545-6	<175 mm3	<150 MM
	THERMAL SHOCKS RESISTANT	ISO 10545-9	-	RESISTANT
	FROST RESISTANCE	ISO 10545-12	REQUIRED	RESISTANT
	RESISTANT TO HIGH CONCENTRATIONS OF ACIDS AND ALKALI	ISO 10545-13	SEE MANUFACTURER'S DECLARATION	UHA (STRUTTURATO/ NATURALE)
	RESISTANT TO LOW CONCENTRATIONS OF ACIDS AND ALKALI			ULA (STRUTTURATO/ NATURALE)
	RESISTANT TO DOMESTIC CHEMICAL PRODUCTS AND ADDITIVES FOR SWIMMING POOLS		MIN B	???
	RESISTANT TO STAINING	ISO 10545-14	-	4
	FRICTION COEFFICIENT (SLIPPERNESS)	DIN51130	-	R9 (SOFT)
		DIN51097	-	CLASS A+B+C (STRUTTURATO)
		ASTM C1028	-	>0.6 DRY AND WET

FOR OPTIMAL INSTALLATION RESULTS, FLOOR GRES RECOMMENDS MAINTAINING A JOINT OF 2 MM 1/12” FOR SINGLE FORMAT INSTALLATIONS AND 3 MM 1/8” TO COMBINE MIXED FORMATS. N.B.  
The test results refer to only first class items and they do not regard the trim pieces.












	FINE PORCELAIN STONEWARE			
	Specification Reference: E.N. 14411, Appendix G. Bunch B1a.UGL	TEST METHOD	REFERENCE STANDARD	DECLARED VALUE
	DIMENTIONAL Characteristics	ISO 10545-2	CONFORMING	CONFORMING
	% WATER ABSORPTION	ISO 10545-3	<0.5%	<0 . 1%
	BREAKAGE RESISTENCE IN N (SP.>=7,5 MM.)	ISO 10545-4	sp. >7,5 mm 1300 MIN. sp. <7,5 mm 700 MIN.	>1700 >700
	N/mm² FLEXURAL STRENGHT TEST		35 MM.	>35
	RESISTANCE TO DEEP ABRATION OF UNGLAZED TILES	ISO 10545-6	< 175 mm3	<150 mm3
	THERMAL SHOCKS RESISTANT	ISO 10545-9	-	RESISTANT
	FROST RESISTANCE	ISO 10545-12	REQUIRED	RESISTANT
	RESISTANT TO HIGH CONCENTRATIONS OF ACIDS AND ALKALI	ISO 10545-13	SEE MANUFACTURER'S DECLARATION	UHA
	RESISTANT TO LOW CONCENTRATIONS OF ACIDS AND ALKALI			ULA
	RESISTANT TO DOMESTIC CHEMICAL PRODUCTS AND ADDITIVES FOR SWIMMING POOLS		MIN B	UA
	RESISTANT TO STAINING	ISO 10545-14	-	4
	FRICTION COEFFICIENT (SLIPPERNESS)	DIN51130	-	R9 SOFT R10 NATURALE
		DIN51097	-	CLASS A+B (NATURALE)
		ASTM C1028	-	>0.6 DRY AND WET (NATURALE)










FOR OPTIMAL INSTALLATION RESULTS, FLOOR GRES RECOMMENDS MAINTAINING A JOINT OF 2 MM 1/12” FOR SINGLE FORMAT INSTALLATIONS AND 3 MM 1/8” TO COMBINE MIXED FORMATS. THE DATA IN THE TECHNICAL TABLE DOES NOT APPLY TO SIZE 120×300 CM.  
N.B.  
The test results refer to only first class items and they do not regard the trim pieces.

	SPECIFICATION REFERENCE: E.N. 14411, APPENDIX G. BUNCH B1A.UGL			
	LENGTH AND WIDTH: ADMITTED DEVIATION, IN %, OF THE AVERAGE SIZE OF EACH TILE FROM THE PRODUCTION DIMENSIONS	ISO 10545-2	±0,6%	
	LENGTH AND WIDTH: ADMITTED DEVIATION, IN %, OF THE AVERAGE SIZE OF 10 SAMPLE PIECES		±0,15%	
	THICKNESS		±5%	
	EDGE STRAIGHTNESS		±0,1%	
	SQUARENESS		±0,2%	
	FLATNESS		±0,35%	
	SURFACE QUALITY		CONFORMING	
	% WATER ABSORPTION	ISO 10545-3	<0,1%	
	BREAKAGE RESISTENCE IN N	ISO 10545-4	>1300	
	N/mm² FLEXURAL STRENGHT TEST		>35	
	ABRASION RESISTANCE	ISO 10545-6	<175 mm³	
	THERMAL SHOCKS RESISTANT	ISO 10545-9	RESISTANT	
	FROST RESISTANCE	ISO 10545-12	RESISTANT	
	RESISTANT TO LOW CONCENTRATIONS OF ACIDS AND ALKALIS	ISO 10545-13	ULA	
	RESISTANT TO DOMESTIC CHEMICAL PRODUCTS AND ADDITIVES FOR SWIMMING POOLS	ISO 10545-13	CLASS UA	
	RESISTANT TO STAINING	ISO 10545-14	Cl.4-5	
	FRICTION COEFFICIENT (SLIPPERNESS)	DIN 51130	R9	
		DCOF	>0,42 wet	

FOR OPTIMAL INSTALLATION RESULTS, FLORIM RECOMMENDS MAINTAINING A JOINT OF 2 MM 1/12” FOR SINGLE FORMAT INSTALLATIONS AND 3 MM 1/8” TO COMBINE MIXED FORMATS  
THE TEST RESULT REFER ONLY TO FIRST CLASS ITEMS AND THEY DO NOT REGARD THE TRIM PIECES










	SPECIFICATION REFERENCE: E.N. 14411, APPENDIX G. BUNCH B1A.UGL		
	LENGTH AND WIDTH: ADMITTED DEVIATION, IN %, OF THE AVERAGE SIZE OF EACH TILE FROM THE PRODUCTION DIMENSIONS	ISO 10545-2	±0,6%
	LENGTH AND WIDTH: ADMITTED DEVIATION, IN %, OF THE AVERAGE SIZE OF 10 SAMPLE PIECES		±0,15%
	THICKNESS		±5%
	EDGE STRAIGHTNESS		±0,1%
	SQUARENESS		±0,2%
	FLATNESS		±0,35%
	SURFACE QUALITY		CONFORMING
	% WATER ABSORPTION	ISO 10545-3	<0,1%
	BREAKAGE RESISTENCE IN N	ISO 10545-4	>1700
	N/mm² FLEXURAL STRENGHT TEST		>40
	ABRASION RESISTANCE	ISO 10545-6	<175 mm³
	THERMAL SHOCKS RESISTANT	ISO 10545-9	RESISTANT
	FROST RESISTANCE	ISO 10545-12	RESISTANT
	RESISTANT TO LOW CONCENTRATIONS OF ACIDS AND ALKALIS	ISO 10545-13	ULB , UHB
	RESISTANT TO DOMESTIC CHEMICAL PRODUCTS AND ADDITIVES FOR SWIMMING POOLS	ISO 10545-13	CLASS UA
	RESISTANT TO STAINING	ISO 10545-14	Cl.4 MATTTE Cl.3 POLISHED
	FRICTION COEFFICIENT (SLIPPERNESS)	DCOF	>0,42 wet

FOR OPTIMAL INSTALLATION RESULTS, FLORIM RECOMMENDS MAINTAINING A JOINT OF 2 MM 1/12" FOR SINGLE FORMAT INSTALLATIONS AND 3 MM 1/8" TO COMBINE MIXED FORMATS










	FINE PORCELAIN STONEWARE			
	Specification Reference: E.N. 14411, Appendix G. Bunch B1a.UGL	TEST METHOD	REFERENCE STANDARD	DECLARED VALUE
	DIMENTIONAL Characteristics	ISO 10545-2	CONFORMING	CONFORMING
	% WATER ABSORPTION	ISO 10545-3	<0.5%	AVG 0.08%
	BREAKAGE RESISTENCE IN N (SP.>=7,5 MM.)	ISO 10545-4	1300 MIN.	AVG 3200
	N/mm² FLEXURAL STRENGHT TEST		35 MM.	AVG 50
	RESISTANCE TO DEEP ABRATION OF UNGLAZED TILES	ISO 10545-6	< 175 mm3	AVG 140 MM
	THERMAL SHOCKS RESISTANT	ISO 10545-9	-	RESISTANT
	FROST RESISTANCE	ISO 10545-12	REQUIRED	RESISTANT
	RESISTANT TO HIGH CONCENTRATIONS OF ACIDS AND ALKALI	ISO 10545-13	SEE MANUFACTURER'S DECLARATION	UHA
	RESISTANT TO LOW CONCENTRATIONS OF ACIDS AND ALKALI			ULA
	RESISTANT TO DOMESTIC CHEMICAL PRODUCTS AND ADDITIVES FOR SWIMMING POOLS		MIN B	UA
	RESISTANT TO STAINING	ISO 10545-14	-	4
	FRICTION COEFFICIENT (SLIPPERNESS)	DIN51130	-	R10 (NATURALE) R11 (GRIP)
		DIN51097	-	CLASS A+B
		ASTM C1028	-	>0.42 WET

FOR OPTIMAL INSTALLATION RESULTS, FLOOR GRES RECOMMENDS MAINTAINING A JOINT OF 2 MM 1/12" FOR SINGLE FORMAT INSTALLATIONS AND 3 MM 1/8" TO COMBINE MIXED FORMATS. THE DATA IN THE TECHNICAL TABLE DOES NOT APPLY TO SIZE 120×300 CM.  
N.B.  
The test results refer to only first class items and they do not regard the trim pieces.



	SPECIFICATION REFERENCE: E.N. 14411, APPENDIX G. BUNCH B1A.UGL		
	LENGTH AND WIDTH: ADMITTED DEVIATION, IN %, OF THE AVERAGE SIZE OF EACH TILE FROM THE PRODUCTION DIMENSIONS	ISO 10545-2	±0,6%
	LENGTH AND WIDTH: ADMITTED DEVIATION, IN %, OF THE AVERAGE SIZE OF 10 SAMPLE PIECES		±0,15%
	THICKNESS		±5%
	EDGE STRAIGHTNESS		±0,1%
	SQUARENESS		±0,2%
	FLATNESS		±0,35%
	SURFACE QUALITY		CONFORMING
	% WATER ABSORPTION	ISO 10545-3	<0,1%
	BREAKAGE RESISTENCE IN N	ISO 10545-4	>1700
	N/mm² FLEXURAL STRENGHT TEST		>40
	ABRASION RESISTANCE	ISO 10545-6	<175²mm
	THERMAL SHOCKS RESISTANT	ISO 10545-9	RESISTANT
	FROST RESISTANCE	ISO 10545-12	RESISTANT
	RESISTANT TO LOW CONCENTRATIONS OF ACIDS AND ALKALIS	ISO 10545-13	ULA , ULB MATT
	RESISTANT TO DOMESTIC CHEMICAL PRODUCTS AND ADDITIVES FOR SWIMMING POOLS	ISO 10545-13	UA MATT
	RESISTANT TO STAINING	ISO 10545-14	Cl.4-5 MATT
	FRICTION COEFFICIENT (SLIPPERNESS)	DIN 51130	R9 MATT
		DCOF	>0,42 wet

FOR OPTIMAL INSTALLATION RESULTS, FLORIM RECOMMENDS MAINTAINING A JOINT OF 2 MM 1/12" FOR SINGLE FORMAT INSTALLATIONS AND 3 MM 1/8" TO COMBINE MIXED FORMATS  
THE TEST RESULT REFER ONLY TO FIRST CLASS ITEMS AND THEY DO NOT REGARD THE TRIM PIECES

	SPECIFICATION REFERENCE: E.N. 14411, APPENDIX G. BUNCH B1A.UGL		
	LENGTH AND WIDTH: ADMITTED DEVIATION, IN %, OF THE AVERAGE SIZE OF EACH TILE FROM THE PRODUCTION DIMENSIONS	ISO 10545-2	±0,6%
	LENGTH AND WIDTH: ADMITTED DEVIATION, IN %, OF THE AVERAGE SIZE OF 10 SAMPLE PIECES		±0,15%
	THICKNESS		±5%
	EDGE STRAIGHTNESS		±0,1%
	SQUARENESS		±0,2%
	FLATNESS		±0,35%
	SURFACE QUALITY		CONFORMING
	% WATER ABSORPTION	ISO 10545-3	<0,1%
	BREAKAGE RESISTENCE IN N	ISO 10545-4	>1700
	N/mm² FLEXURAL STRENGHT TEST		>40
	ABRASION RESISTANCE	ISO 10545-6	<175²mm
	THERMAL SHOCKS RESISTANT	ISO 10545-9	RESISTANT
	FROST RESISTANCE	ISO 10545-12	RESISTANT
	RESISTANT TO LOW CONCENTRATIONS OF ACIDS AND ALKALIS	ISO 10545-13	UHA , ULA
	RESISTANT TO DOMESTIC CHEMICAL PRODUCTS AND ADDITIVES FOR SWIMMING POOLS	ISO 10545-13	ULA R+PTV
	RESISTANT TO STAINING	ISO 10545-14	Cl.4-5
	FRICTION COEFFICIENT (SLIPPERNESS)	DIN 51130	R9 MATT
		DIN 51097	Cl. A+B R+PTV
		DCOF	>0,42 wet

FOR OPTIMAL INSTALLATION RESULTS, FLORIM RECOMMENDS MAINTAINING A JOINT OF 2 MM 1/12" FOR SINGLE FORMAT INSTALLATIONS AND 3 MM 1/8" TO COMBINE MIXED FORMATS  
THE TEST RESULT REFER ONLY TO FIRST CLASS ITEMS AND THEY DO NOT REGARD THE TRIM PIECES




	SPECIFICATION REFERENCE: E.N. 14411, APPENDIX G. BUNCH B1A.GL		
	LENGTH AND WIDTH: ADMITTED DEVIATION, IN %, OF THE AVERAGE SIZE OF EACH TILE FROM THE PRODUCTION DIMENSIONS	ISO 10545-2	±0,6%
	LENGTH AND WIDTH: ADMITTED DEVIATION, IN %, OF THE AVERAGE SIZE OF 10 SAMPLE PIECES		±0,15%
	THICKNESS		±5%
	EDGE STRAIGHTNESS		±0,1%
	SQUARENESS		±0,2%
	FLATNESS		±0,35%
	SURFACE QUALITY		CONFORMING
	% WATER ABSORPTION	ISO 10545-3	<0,1%
	BREAKAGE RESISTENCE IN N	ISO 10545-4	>1700
	N/mm² FLEXURAL STRENGHT TEST		>40
	ABRASION RESISTANCE	ISO 10545-6	<175°mm
	THERMAL SHOCKS RESISTANT	ISO 10545-9	RESISTANT
	FROST RESISTANCE	ISO 10545-12	RESISTANT
	RESISTANT TO LOW CONCENTRATIONS OF ACIDS AND ALKALIS	ISO 10545-13	GLB
	RESISTANT TO DOMESTIC CHEMICAL PRODUCTS AND ADDITIVES FOR SWIMMING POOLS	ISO 10545-13	GA
	RESISTANT TO STAINING	ISO 10545-14	Cl.3-4

FOR OPTIMAL INSTALLATION RESULTS, FLORIM RECOMMENDS MAINTAINING A JOINT OF 2 MM 1/12" FOR SINGLE FORMAT INSTALLATIONS AND 3 MM 1/8" TO COMBINE MIXED FORMATS  
THE TEST RESULT REFER ONLY TO FIRST CLASS ITEMS AND THEY DO NOT REGARD THE TRIM PIECES



# APPLICATION CLASSES

TYPE OF ENVIRONMENT		FLOOR AND WALL	SHADE VARIATION			
			DEGREE OF COLOUR CHANGE / Degree of variation in the shade and/or in the colour between the various parts of the laid product: Minimum V1, Maximum V4.			
<div>HC</div> <div>HEAVY COMMERCIAL</div>	<div>LC</div> <div>LIGHT COMMERCIAL</div>	<div></div> <div>FLOOR AND WALL</div>	<div>V1-LOW</div> <div>SHADE VARIATION</div>	<div>V2-MODERATE</div> <div>SHADE VARIATION</div>	<div>V3-HIGH</div> <div>SHADE VARIATION</div>	<div>V4-RANDOM</div> <div>SHADE VARIATION</div>
Indoor public environments subject to heavy pedestrain traffic such as: Railway stations, Underground stations, Airports, Shopping malls, Museums, Churches, Hospitals, Banks, Public Offices, Schools, Sports centres, Hotel lobbies.  Outdoor public environments subject to heavy pedestrain traffic and to static/ dymic leads.	Indoor public environments subject to medium pedestrain traffic such as:Restaurants, Cafés, Offices, Shops, Libraries, Convention rooms, Hotel corridors.  Outdoor public environments subject to medium pedestrain traffic such as: Outdoor stairs, Terraces, Private gardens.	Tiles with styling and sizes suitable for both floors and walls.	The least amount of shade and texture variation. Attainable in naturally fired clay products.	Light to moderate shade and texture variation with each carton.	High shade texture variation with each carton.	Very high shade and texture variation within each carton.

# SYSTEM CERTIFICATION

<div>CE</div> <div>SCG CERAMICS CO. LTD. 1 Siam Cement Road. – 10800 Bangkok – Bangsue Thailand</div> <div>13 COTTO 001</div> <div>EN 14411:2012</div> <div>Dry-pressed ceramic tiles, with water absorption E<sub>w</sub> ≤ 0,5%, for internal and external walls and floorings</div>	<div></div> <div>放射性水平 A 类</div> <div>Certification mandatory for export to China</div> <div><div>Sistema di gestione della Qualità: Certificato n°. 50 100 1271 Sistema di gestione dell'Ambiente: Certificato n°. 50 100 100 74 Sistema di gestione della Salute e Sicurezza dei lavoratori: Certificato n°. 11 100 502</div></div> <div>The certification institute is Technischerhungs-Verein (TÜV), chosen for its stringent standards and international recognition.</div>	<div></div> <div>To underline our care for the environment and our pledge to protect it in accordance with the ISO 14021 standards (Environment labels and declarations), Florim affirms its commitment to continual technological innovation of the industrial processes.</div> <div></div> <div>Florim has voluntarily become a member of the U.S. Green Building Council (USGBC), the most important American association dedicated to environmentally sustainable building design and construction according to precise directives, which must be followed in order to obtain LEED (Leadership in Energy and Environmental Design) certification, a rating system that measures the sustainability of a project. Using Florim products contributes to getting points to achieve LEED certification.</div>
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