400 ASSOCIATION, INC
400 S. Ocean Blvd., Palm Beach, Florida 33480
Tel: 561-655-5470

SUMMARY PAGE

A. Opened in 1962, The 400 was commissioned and designed by architect, Edward Durell Stone, to be a luxury long-term seasonal rental with five-star hotel services. Decks and walkways concrete.

B. In 1965. Converted to the first condominium in Florida.

C. Major building-wide restoration from 2002 to 2005. All facade balconies and atrium decks and walkways received rebar and concrete restoration. Travertine was added to these areas to level the walking surfaces.

D. January 7, 2012, received a landmark designation.

E. In 2019, developed a five-year building-wide restoration plan. Board and membership approval and vote.

F. Subsequently, in June of 2021, the Champlain Tower collapsed.. State passed two new safety laws in 2022 (SB 4-D) and 2023 (SB 154), requiring all co-ops and condominiums over three stories high to pass a new Milestone Structural Inspection (MSI) in 2024 and fully fund a Structural Integrity Reserves Study (SIRS) by January 1, 2025.

G. Therefore, the most water-resistant travertine in porcelain with a non-skid surface was selected and voted upon by the board and the majority of the membership. Giving the façade balconies the best protection, with a 25-year warranty, from the oceanfront extreme weather conditions.

400 ASSOCIATION, INC

400 S. Ocean Blvd., Palm Beach, Florida 33480
Tel: 561-655-5470

September 8, 2023

James G. Murphy
Assistant Director of Planning, Zoning & Building
Town of Palm Beach
360 County Road
Palm Beach, FL 33480

Sir:

This is to certify that the Board of Directors of 400 Association, Inc. has authorized and approved the installation on the balconies of the Italian Porcelain Tile (which is called "Travertine"), which comes in slabs 24" x 48".

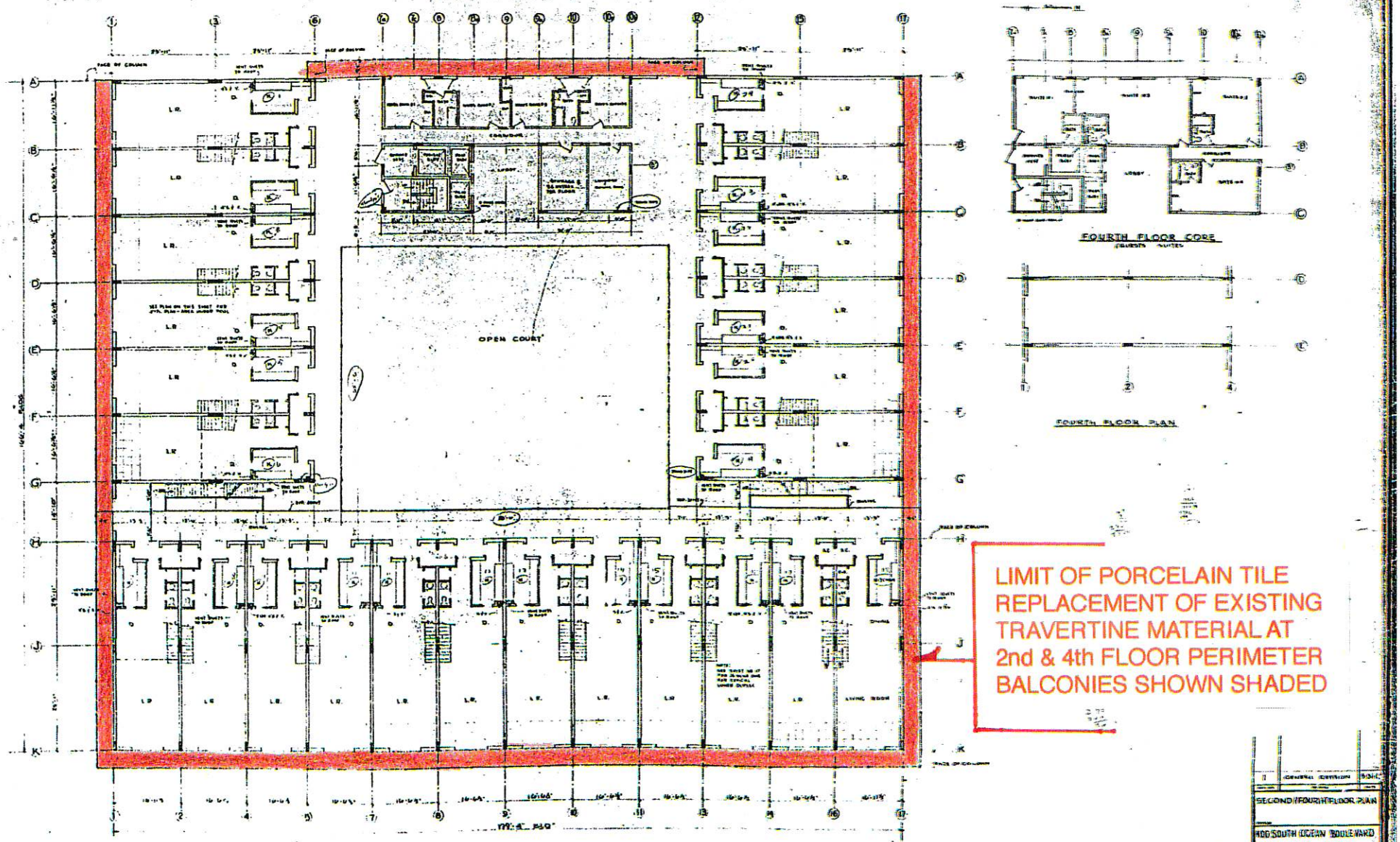
The foregoing has also been approved by the design committee and 95% of our residents.

Please advise me if you need any further information regarding this subject matter.

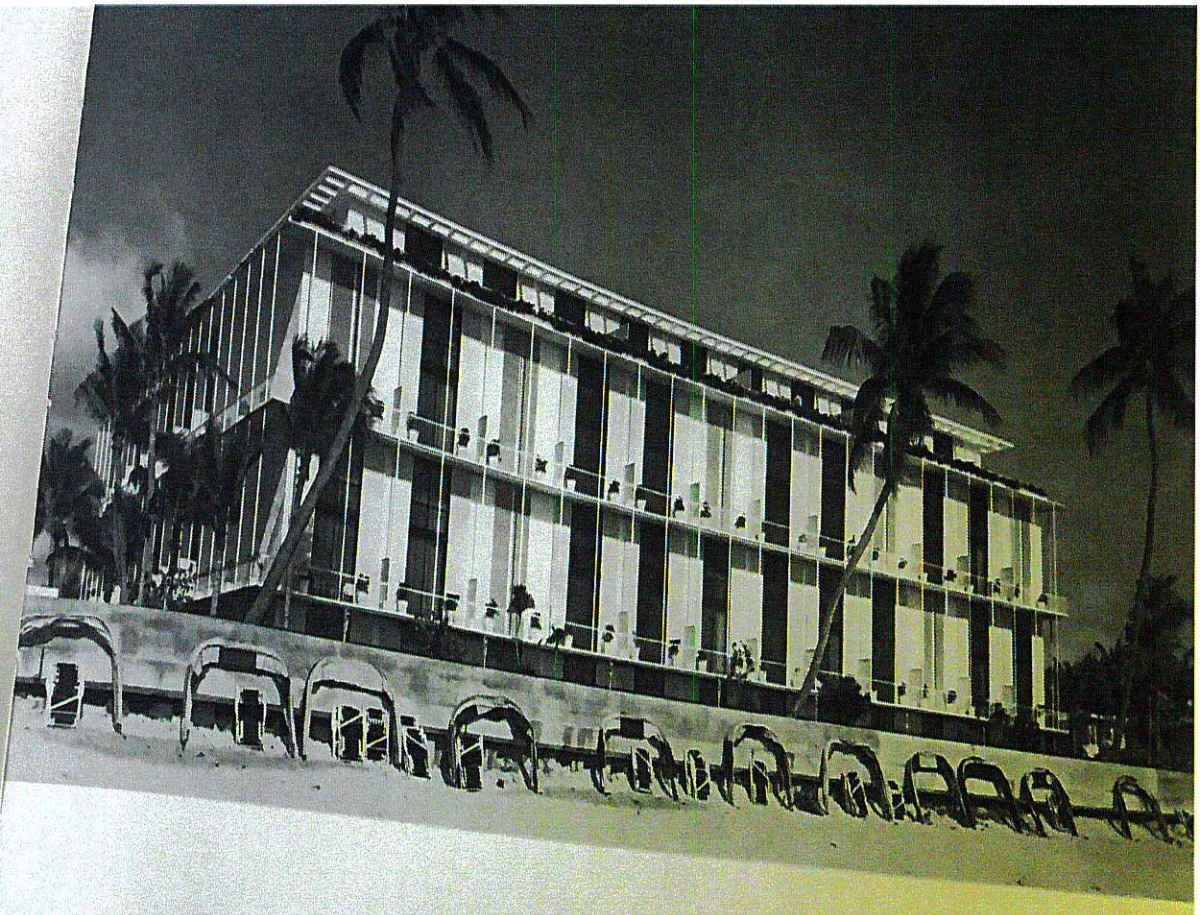
Cordially,

David Missner

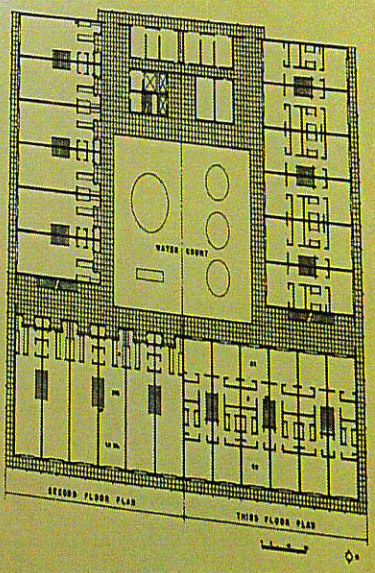
David Missner
President and Treasurer
400 Association Inc.


OPEN COURT
FOURTH FLOOR CORE
FOURTH FLOOR PLAN
LIMIT OF PORCELAIN TILE
REPLACEMENT OF EXISTING
TRAVERTINE MATERIAL AT
2nd & 4th FLOOR PERIMETER
BALCONIES SHOWN SHADED
SECOND/FOURTH FLOOR PLAN
400 SOUTH OCEAN BOULEVARD
PALM BEACH, FLORIDA
MILES A. GORDON
ASSOCIATE ARCHITECT
4

The 400 in 1962, with an architectural plan indicating the wraparound balconies.



This luxury apartment building at 400 South Ocean Boulevard in Palm Beach, Florida, contains 48 duplex apartments and a top floor of six penthouses. The ground floor units, which, like the duplexes, contain two bedrooms, all have small private gardens (left). The duplex apartments, which form the building's two main levels, have two-story-high windows and a railed balcony. All of the windows and doors are flanked by sliding aluminum shutters for protection against hurricanes. The duplexes contain an entrance hall, living and dining rooms, a kitchen and a powder room on their lower floors, with two bedrooms and a bath above. The building has no interior corridors; circulation on each floor is by means of

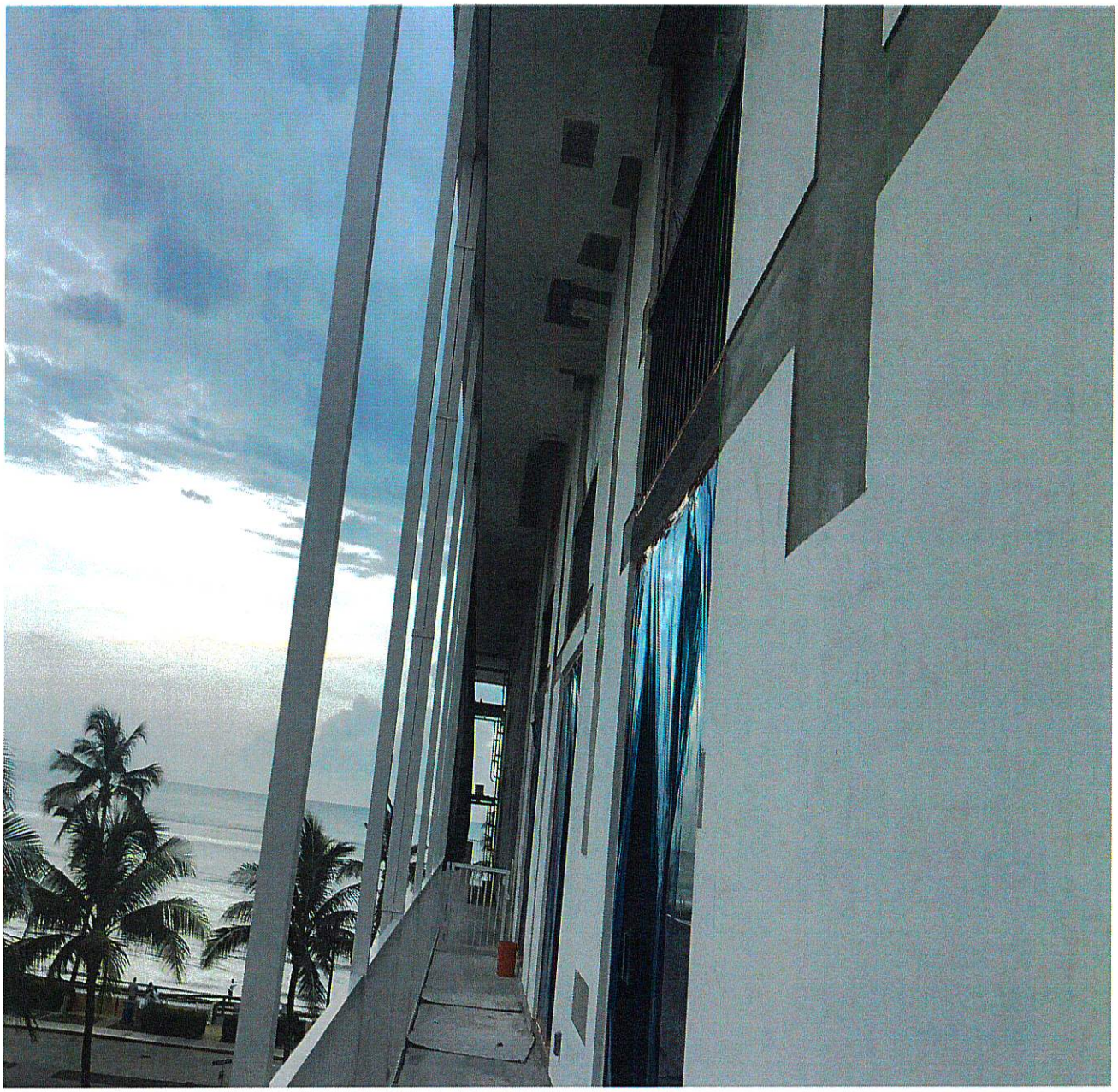


In 2022, due to an aging 20 year old waterproofing membrane and porous travertine, leaks needed to be immediately repaired around the balcony sliders

Damage to the travertine on the balconies due to old styled hurricane shutters attached to the sliders. The hurricane shutters with a central support created water intrusion into the balconies overhang and into units with leaks and efflorescence.

New porcelain travertine is a good companion color to the 2022 travertine.

Envelope needs deep concrete restoration,..cracks in the façade,..



Treated rebars,..

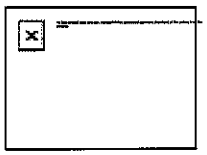
Theresa Pussinen

From: Scott Reavy <sreavy1@gmail.com>
Sent: Tuesday, August 22, 2023 3:01 PM
To: David Missner; Nancy Gardiner; Theresa Pussinen
Subject: Walkway repair process

The following is a typical list of items required by the engineer to repair exterior cantilevered walkways or balconies.
1. Engineer to determine types of repair
2. Removal of any overlay that is present on top of the structural concrete slabs.I ncluding tile ,stone or marble, cementitious overlays ect.
3. Removal of all membrane systems if present down to bare concrete to expose the slab surface
4. Engineer determines the areas of concrete spalling that may have occurred.
5. The Contractor then begins demolition of the areas mark by the engineer to ICRI (International Concrete Repair Institute)standards.
6. Once the concrete is remove the reinforcing bars are exposed to determine if the bar can remain in place or must be removed and replaced.
7. The reinforcing bar is mechanically cleaned and coated with corrosion inhibitor to prevent further corrosion.
8. The repair area is inspected by the engineer and then new concrete is placed back into the repair area.
9.Once all concrete repairs are complete the entire walkway is pressure cleaned and a corrosion inhibitor is applied to prevent reinforcing bar to corrode again.
10. Perimeter intersections at the walls and slabs are caulked with a urethane sealant.
11. New membrane system is installed as per manufacturer's specifications.
12. New tiles or overlay (finishes) are applied on top of the new membrane system.

That in a nutshell is the repair process.

--
Scott Reavy
President
Reavy Property Management & Maintenance, Inc
16115 64th Place North
Loxahatchee, Florida 33470
954-649-5304 cell
561-795-9237 fax
CGC#1522801



BOTKIN PARSSI & ASSOCIATES, INC.
CONSULTING ENGINEERS

August 16, 2023

400 S. Ocean Condominiums
400 South Ocean Boulevard
Palm Beach, FL 33480

ATTENTION: 400 Association, Inc.

SUBJECT: Installation of Travertine Tiles on Exterior Walkways

PROJECT NO.: 23-027

Dear Board of Directors,

As discussed, Travertine Tiles are not appropriate for installation on the building exterior, including walkways, due to the following reasons:

1. Travertine Tiles are pourous natural stones with numerous voids. These voids are cleaned and filled with epoxy at the factory. Tiles are then polished and shipped. Over time, the epoxy compound pop out, resulting in creation of voids on the tile surface. The voids gather dirt and make it very hard to clean the tiles.
2. Due to the acidic nature of coastal environment (rain/weather) the polish on the tiles wears off, making them dull looking. To avoid this, the tiles will need to be polished every 2 to 3 years. This also results in creation of additional voids on the tile surface.
3. Development of the voids in the tiles due to either rain, or the epoxy compound popping out, will create a tripping hazard, especially for women wearing high heel shoes

Based on the above, I do not recommend the use of Travertine Tiles, especially for exterior. It is my opinion that Porcelain Tiles are best suited for the exterior walkways at the 400 Building.

If you have any questions or require further information, please contact our office.

Respectfully,
BOTKIN PARSSI & ASSOCIATES, INC.

Bijan Parssi, P.E.
FL. REG.P.E.NO.: 45575
CA#: 00002133
BP/jv

2749 Exchange Court · West Palm Beach · FL 33409 561.965.1957 Fax: 561.965.4308
http://www.botkinparssi.com

From: "Direktor, Kenneth" <kdirektor@beckerlawyers.com>
Date: August 21, 2023 at 12:06:48 PM CDT
To: David Missner <mizzner@icloud.com>
Subject: Re: See if the Statutes agree, the Board has the responsibility for all needed alterations for storm protection.

My prior email addresses replacements by the Association on common elements. If I understand this supplemental email correctly, your inquiry pertain to tile installed on balconies which are part of the unit under Section 3.4 of the Declaration. I assume the tile was installed by current or former owners.

If that assumption is correct, this is governed by Section 9.2 of the Declaration, which requires Board approval of tile installations. Since the Board has the right to approve, I have no problem with the Board adopting and publishing standards for the types of decorative surfaces which will be permitted on unit balconies. This will enable owners and contractors to know what they can and cannot do before they even submit paperwork for approval. The standards can and should certainly be based upon competent engineering advice.

Kenneth S. Direktor
Shareholder
Chair, Community Association Law Practice Group
Board Certified Specialist, Condominium and Planned Development Law
Fellow, College of Community Association Lawyers

Becker & Poliakoff
1 East Broward Blvd., Suite 1800
Ft. Lauderdale, FL 33301

954.965.5050
954.985.4176
kdirektor@beckerlawyers.com
www.beckerlawyers.com

Follow Becker on...

MARVEL TRAVERTINE

GRES PORCELLANATO
TECHNICAL FEATURES - COMPLIANT WITH STANDARDS EN 14411 (ISO 13006)
ANNEX G GROUP BIa

atlas concorde

Sizes	120x278 cm 47 ⅛"x109 ⅜" ▣ 6mm	120x240 cm 47 ⅛"x94 ½" ▣ 9mm	120x120 cm 47 ⅛"x47 ⅛" ▣ 9mm	60x120 cm 23⅝"x47 ⅛" ▣ 9mm	60x120 cm 23⅝"x47 ⅛" ▣ 20mm	60x60 cm 23⅝"x23⅝" ▣ 9mm

		Technical features	Test method	Requisites for nominal size N			Marvel Travertine			
				7 cm ≤ N < 15 cm	N ≥ 15 cm		Matte rectified 6mm 120x278 cm	Matte rectified 9mm	Grip rectified	Outdoor rectified
				(mm)	(%)	(mm)				
Regularity features		Length and width	ISO 10545-2	± 0,9 (*) Non-rect. ± 0,4 (*) Rect.	± 0,6 (*) Non-rect. ± 0,3 (*) Rect.	± 2,0 (*) Non-rect. ± 1,0 (*) Rect.	Suitable for	Suitable for	Suitable for	Suitable for
		Thickness		± 0,5 (**)	± 5 (**)	± 0,5 (**)	Suitable for	Suitable for	Suitable for	Suitable for
		Straightness of sides		± 0,8 (***) Non-rect. ± 0,4 (***) Rect.	± 0,5 (***) Non-rect. ± 0,3 (***) Rect.	± 1,5 (***) Non-rect. ± 0,8 (***) Rect.	Suitable for	Suitable for	Suitable for	Suitable for
		Perpendicularity (Measurement only on short edges when L/l ≥ 3)		± 0,8 (****) Non-rect. ± 0,4 (****) Rect.	± 0,5 (****) Non-rect. ± 0,3 (****) Rect.	± 2,0 (****) Non-rect. ± 1,5 (****) Rect.	Suitable for	Suitable for	Suitable for	Suitable for
		Surface flatness		c.c. ± 0,8 Non-rect. c.c. ± 0,6 Rect.	c.c. ± 0,5 Non-rect. c.c. ± 0,4 Rect.	c.c. ± 2,0 Non-rect. c.c. ± 1,8 Rect.	Suitable for	Suitable for	Suitable for	Suitable for
				e.c. ± 0,8 Non-rect. e.c. ± 0,6 Rect.	e.c. ± 0,5 Non-rect. e.c. ± 0,4 Rect.	e.c. ± 2,0 Non-rect. e.c. ± 1,8 Rect.				
				w. ± 0,8 Non-rect. w. ± 0,6 Rect.	w. ± 0,5 Non-rect. w. ± 0,4 Rect.	w. ± 2,0 Non-rect. w. ± 1,8 Rect.				
Structural features		Water absorption level (in% by mass)	ISO 10545-3	≤ 0,5% Individual Maximum 0,6%			≤0.1%	≤0.1%	≤0.1%	≤0.1%
			ASTM C373-18	Requirement ANSI A137.1-2017 Water Absorption Max < 0,5%			≤0.5%	≤0.5%	≤0.5%	≤0.5%
Bulk mechanical features		Breaking strenght	ISO 10545-4	S ≥ 700N (for thickness < 7,5mm) S ≥ 1300N (for thickness ≥ 7,5mm)			S ≥1000 N	S ≥1500 N	S ≥1500 N	S ≥10000 N
		Bending resistance		R ≥ 35 N/mm²			R ≥40 N/mm²	R ≥40 N/mm²	R ≥40 N/mm²	R ≥45 N/mm²
		Bending and breaking load resistance (4)(5)	EN 1339 Annex F	-						≥T11 120x120 90X90 | ≥U4 60x120
		Impact resistance	ISO 10545-5	Declared value			≥0.55	≥0.55	≥0.55	≥0.55
Surface mechanical features		Deep abrasion resistance of unglazed tiles	ISO 10545-6	≤ 175 mm³			≤150mm³	≤150mm³	≤150mm³	≤150mm³

* Permitted deviation, in % or mm, from the average size of each tile (2 or 4 sides) with respect to the manufacturing size (W).
** Permitted deviation, in % or mm, from the average thickness of each tile with respect to the cited manufacturing thickness (W).
*** Maximum permitted straightness deviation, in % or mm, with respect to the corresponding manufacturing sizes (W).
**** Maximum permitted perpendicularity deviation, in % or mm, with respect to the corresponding manufacturing sizes (W).
**** Maximum permitted centre curvature deviation, in % or mm, with respect to the diagonal calculated according to manufacturing sizes (W).
e.c. Maximum permitted corner curvature deviation, in % or mm, with respect to the corresponding manufacturing sizes (W).
w. Maximum permitted bending deviation, in % or mm, with respect to the diagonal calculated according to manufacturing sizes (W).
(1) Determining the slip resistance of pedestrian surfaces; not applicable to sports flooring or road traffic flooring.
(2) The anti-slip performance is guaranteed at the time of delivering the product.
(3) However, tiles with a DCOF of 0.42 or greater are not necessarily suitable for all projects. The specifier shall determine tiles appropriate for specific project conditions, considering by way of example, but not in limitation, type of use, traffic, expected contaminants, expected maintenance, expected wear, and manufacturers' guidelines and recommendations."
(4) For further details, please refer to the outdoor design general catalogue.
(5) Only for products with 20 mm thickness

MARVEL TRAVERTINE

GRES PORCELLANATO
TECHNICAL FEATURES - COMPLIANT WITH STANDARDS EN 14411 (ISO 13006)
ANNEX G GROUP BIa

atlas concorde

Sizes	120x278 cm 47 ⅛"x109 ½" 6mm	120x240 cm 47 ⅛"x94 ½" 9mm	120x120 cm 47 ⅛"x47 ⅛" 9mm	60x120 cm 23⅝"x47 ⅛" 9mm	60x120 cm 23⅝"x47 ⅛" 20mm	60x60 cm 23⅝"x23⅝" 9mm

		Technical features	Test method	Requisites for nominal size N			Marvel Travertine			
				7 cm ≤ N < 15 cm	N ≥ 15 cm		Matte rectified 6mm 120x278 cm	Matte rectified 9mm	Grip rectified	Outdoor rectified
				(mm)	(%)	(mm)				
Thermo-igrometric features		Coefficient of linear thermal expansion	ISO 10545-8	Declared value			≤7MK^{-1}	≤7MK^{-1}	≤7MK^{-1}	≤7MK^{-1}
		Thermal shock resistance	ISO 10545-9	Test passed in accordance with ISO 10545-1			Resistant	Resistant	Resistant	Resistant
		Moisture expansion (in mm/m)	ISO 10545-10	Declared value			≤0.01% (0.1mm/m)	≤0.01% (0.1mm/m)	≤0.01% (0.1mm/m)	≤0.01% (0.1mm/m)
		Frost resistance	ISO 10545-12	Test passed in accordance with ISO 10545-1			Resistant	Resistant	Resistant	Resistant
Physical properties		Bond strenght	EN 1348	Declared value			≥1.0 N/mm² (Class C2 - EN 12004)	≥1.0 N/mm² (Class C2 - EN 12004)	≥1.0 N/mm² (Class C2 - EN 12004)	≥1.0 N/mm² (Class C2 - EN 12004)
		Reaction to fire	-	Class A1 or A1$_{fl}$			A1 - A1$_{fl}$	A1 - A1$_{fl}$	A1 - A1$_{fl}$	A1 - A1$_{fl}$
Chemical features		Resistance to household chemicals and swimming pool salts	ISO 10545-13	Minimum B class			A	A	A	A
		Resistance to low concentrations of acids and alkalis		Declared class			LA	LA	LA	LA
		Resistance to high concentrations of acids and alkalis		Declared class			HA	HA	HA	HA
		Stain resistance	ISO 10545-14	Declared class			5	5	5	5
Safety characteristics (1)(2)		Booted ramp test	DIN EN 16165 ANNEX B (EX DIN 51130)	Declared class			R9	R10	R11	R11
		Barefoot Ramp test	DIN EN 16165 ANNEX A (EX DIN 51097)	Declared value			A	A+B	A+B+C	A+B+C
		Pendulum friction Test	BS EN 16165 ANNEX C (EX BS 7976)	PTV ≥ 36 classifies the surface as "low slip risk"			PTV ≥ 36 Wet on demand	≥36Dry ≥36Wet	≥36Dry ≥36Wet	≥36Dry ≥36Wet
			AS 4586	Declared Classification of the new pedestrian surface materials according to the Pendulum Test			P3 on demand	Class P3	Class P4	Class P4
			UNE 41901 EX:2017	Declared value			C2 on demand	Class C2	Class C3	Class C3
		Coefficient of friction	B.C.R.A. Rep. CEC/81	Min. Dec. 236/89 of 14/06/89 μ >0,40 for a sliding leather element on a dry floor or μ >0,40 for a sliding hard rubber element on a wet floor			>0.40Asciutto >0.40Bagnato	>0.40Asciutto >0.40Bagnato	>0.40Asciutto >0.40Bagnato	>0.40Asciutto >0.40Bagnato
		Dynamic coefficent of friction (DCOF)	ANSI A 326.3	-			Wet DCOF ≥ 0.42	Wet DCOF ≥ 0.50	Wet DCOF ≥ 0.55	Wet DCOF ≥ 0.55

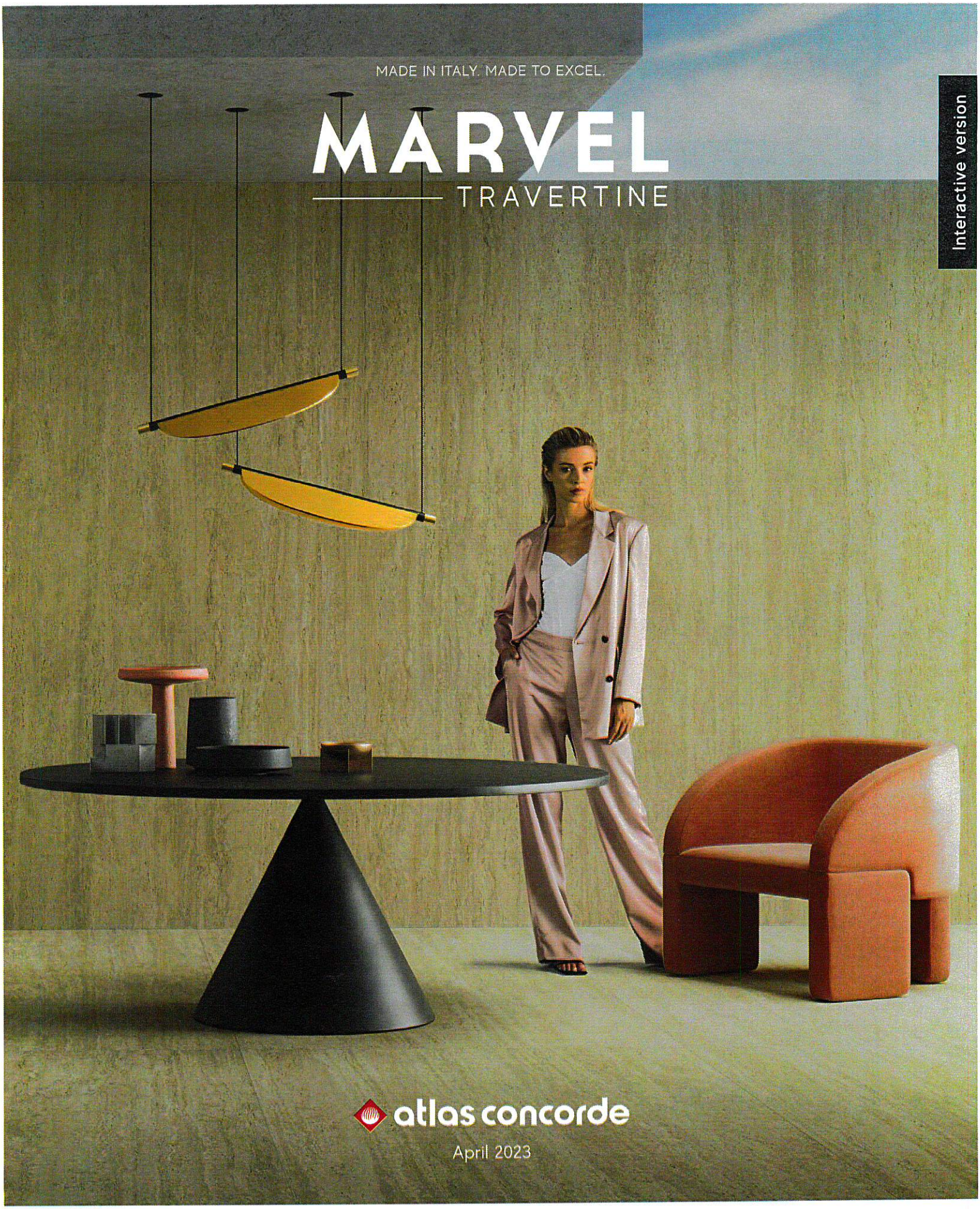
* Permitted deviation, in % or mm, from the average size of each tile (2 or 4 sides) with respect to the manufacturing size (W).
** Permitted deviation, in % or mm, from the average thickness of each tile with respect to the cited manufacturing thickness (W).
*** Maximum permitted straightness deviation, in % or mm, with respect to the corresponding manufacturing sizes (W).
**** Maximum permitted perpendicularity deviation, in % or mm, with respect to the corresponding manufacturing sizes (W).
***** Maximum permitted centre curvature deviation, in % or mm, with respect to the diagonal calculated according to manufacturing sizes (W).
e.c. Maximum permitted corner curvature deviation, in % or mm, with respect to the corresponding manufacturing sizes (W).
w. Maximum permitted bending deviation, in % or mm, with respect to the diagonal calculated according to manufacturing sizes (W).
(1) Determining the slip resistance of pedestrian surfaces: not applicable to sports flooring or road traffic flooring.
(2) The anti-slip performance is guaranteed at the time of delivering the product.
(3) However, tiles with a DCOF of 0.42 or greater are not necessarily suitable for all projects. The specifier shall determine tiles appropriate for specific project conditions, considering by way of example, but not in limitation, type of use, traffic, expected contaminants, expected maintenance, expected wear, and manufacturers' guidelines and recommendations."
(4) For further details, please refer to the outdoor design general catalogue.
(5) Only for products with 20 mm thickness

MADE IN ITALY. MADE TO EXCEL.

MARVEL

TRAVERTINE

Interactive version



atlas concorde

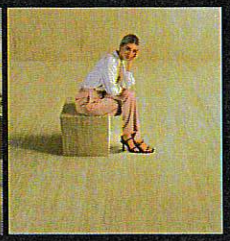
April 2023

Image Gallery

Exclusive Apartment - White Vein Cut


Residential Bathroom - Pearl Vein Cut


Luxury Showroom - Sand Vein Cut

Pool Villa - Sand Vein Cut & Cross Cut


Modern Villa - Sand Vein Cut & Cross Cut


Pool villa.

FLOOR
Marvel Travertine Sand Vein Cut
Outdoor ✣ 20mm Sensitech
60x120 cm | 23⅝"x47⅛"

Marvel Travertine White Vein Cut
Outdoor ✣ 20mm Sensitech
60x120 cm | 23⅝"x47⅛"

WALL
Marvel Travertine Sand Cross Cut
Matte/Matt Sensitech
60x120 cm | 23⅝"x47⅛"

INDEX

OVERVIEW

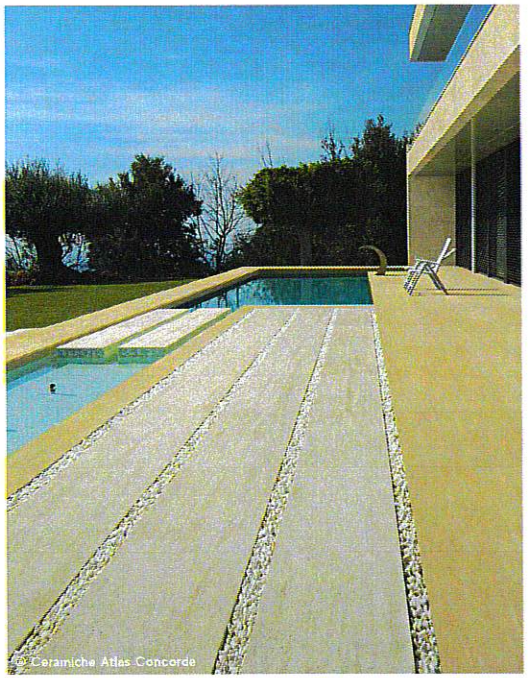
HBA
HIRSCH
BEDNER
ASSOCIATES

IMAGE
GALLERY

EXCLUSIVE APARTMENT
RESIDENTIAL BATHROOM
LUXURY SHOWROOM
POOL VILLA
MODERN VILLA

SURFACE
RANGE &
TECHNICAL
SPECS

ENJOY
THE VIDEO
EN | IT | FR | DE | RU



FLOOR
Marvel Travertine Sand Vein Cut
Outdoor ÷ 20mm Sensitech
60x120 cm | 23⁵/₈"x47¹/₄"

Marvel Travertine White Vein Cut
Outdoor ÷ 20mm Sensitech
60x120 cm | 23⁵/₈"x47¹/₄"

WALL
Marvel Travertine Sand Cross Cut
Matte/Matt Sensitech
60x120 cm | 23⁵/₈"x47¹/₄"

INDEX

OVERVIEW

HBA
HIRSCH
BEDNER
ASSOCIATES

IMAGE
GALLERY

EXCLUSIVE APARTMENT
RESIDENTIAL BATHROOM
LUXURY SHOWROOM
POOL VILLA
MODERN VILLA

SURFACE
RANGE &
TECHNICAL
SPECS

ENJOY
THE VIDEO
EN | IT | FR | DE | RU

Porcelain tiles

PORCELAIN TILES - Gres Porcellanato - Grès cérame - Feinsteinzeug – Gres porcelánico - Керамический гранит
RECTIFIED MONOCALIBER - Rettificato monocalibro - Rectifié mono-calibre - Geschliffen einkalibrig - Rectificado monocalibre - Ректифицированный в одном калибре

VEIN CUT

		White	Sand	Pearl
Floor & Wall / Furniture				
120x278 cm - 47¼"x109½"	± 6 mm	Matte	Matte	Matte
120x240 cm - 47¼"x94½"	± 9 mm	Matte Sensitech	Matte Sensitech	Matte Sensitech
60x120 cm - 23⅝"x47¼"	± 9 mm	Matte Sensitech	Matte Sensitech	Matte Sensitech
Countertops / Furniture				
162x324 cm - 63¾"x127½" > Non rectified - non rettificato	± 6 mm		Hammered	
	± 12 mm		Hammered	Hammered
Outdoor				
60x120 cm - 23⅝"x47¼"	± 9 mm	Grip Sensitech	Grip Sensitech	Grip Sensitech
60x120 cm - 23⅝"x47¼"	± 20 mm	Outdoor Sensitech	Outdoor Sensitech	Outdoor Sensitech

CROSS CUT

		White	Sand	Pearl
Floor & Wall / Furniture				
120x120 cm - 47¼"x 47¼"	± 9 mm	Matte Sensitech	Matte Sensitech	Matte Sensitech
60x120 cm - 23⅝"x47¼"	± 9 mm	Matte Sensitech	Matte Sensitech	Matte Sensitech
60x60 cm - 23⅝"x23⅝"	± 9 mm	Matte Sensitech	Matte Sensitech	Matte Sensitech
Outdoor				
60x120 cm - 23⅝"x47¼"	± 9 mm	Grip Sensitech	Grip Sensitech	Grip Sensitech

Sensitech

SAFE. SOFT. SMART.

pag.120

The constant research of Atlas Concorde Laboratories has led to the creation of Sensitech, the porcelain tile surface for interiors made using a production method patented in Italy that combines superior slip-resistance with an unprecedented tactile softness, guaranteeing ease of cleaning and maintenance.
Dalla costante ricerca dei Laboratori Atlas Concorde nasce Sensitech, la superficie in gres porcellanato per interni realizzata con metodo produttivo brevettato in Italia, che associa elevate prestazioni di resistenza allo scivolamento ad un'inedita morbidezza tattile, garantendo facilità di pulizia e manutenzione.

Destination of use

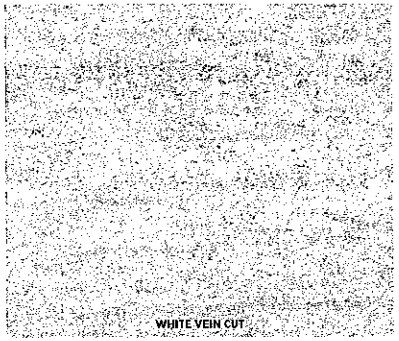
- M – Matte ± 6 mm
- H – Matte ± 9 mm; Matte Sensitech ± 9 mm; Grip ± 9 mm; Outdoor ± 20 mm

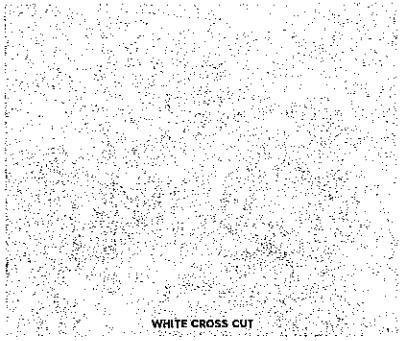
Anti-slip

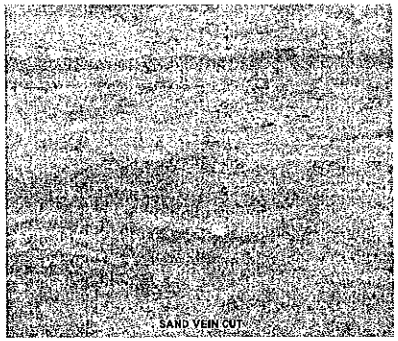
- R9 Matte ± 6 mm
- R10 B Matte, Matte Sensitech ± 9 mm
- R11 C Grip Sensitech ± 9 mm
- R11 C Outdoor Sensitech ± 20 mm

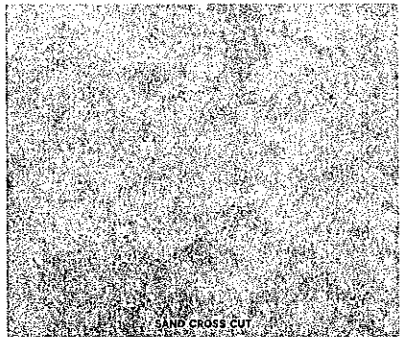
Color-shading

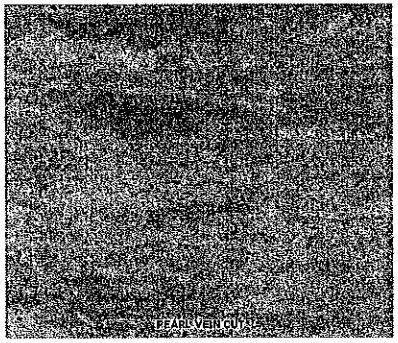
V3 Moderate Variation

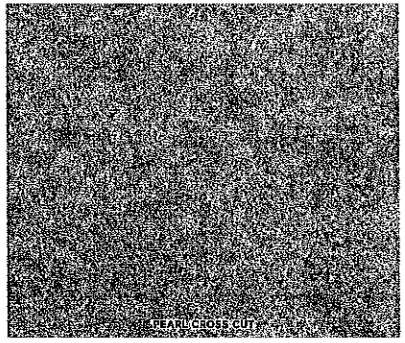












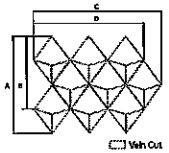
INDEX
OVERVIEW
HBA HIRSCH BEDNER ASSOCIATES
IMAGE GALLERY
SURFACE RANGE & TECHNICAL SPECS
COLLECTION RANGE
MARVEL WORLD
TECHNICAL SPECIFICATIONS & CERTIFICATIONS
ENJOY THE VIDEO
EN | IT | FR | DE | RU

Porcelain Tiles Decors

Marvel Travertine Travertino White
Mosaico Origami
28x41,2 cm - 11"x16⅛"

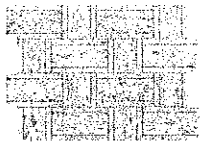
Marvel Travertine Travertino Sand
Mosaico Origami
28x41,2 cm - 11"x16⅛"

Marvel Travertine Travertino Pearl
Mosaico Origami
28x41,2 cm - 11"x16⅛"

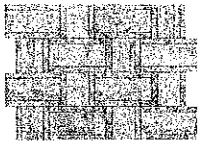


Vein Cut

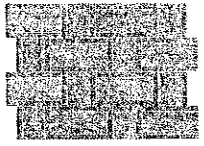
A	38,61 cm - 15⅛"
B	28 cm - 11"
C	48,05 cm - 18⅞"
D	41,2 cm - 16⅛"



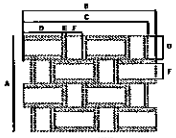
Marvel Travertine Travertino White
Mosaico Basketweave
35x46,8 cm - 13¾"x18⅜"



Marvel Travertine Travertino Sand
Mosaico Basketweave
35x46,8 cm - 13¾"x18⅜"



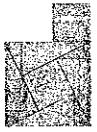
Marvel Travertine Travertino Pearl
Mosaico Basketweave
35x46,8 cm - 13¾"x18⅜"



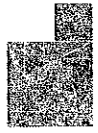
Vein Cut
Cross Cut

A	35 cm - 13¾"
B	49,8 cm - 19⅝"
C	46,8 cm - 18⅜"
D	14,5 cm - 5⅝"
E	1,3 cm - ½"
F	5,7 cm - 2¼"
G	6,7 cm - 2⅝"

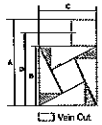
Marvel Travertine Travertino White
Mosaico Tessellation
22x25 cm - 8⅝"x10⅛"



Marvel Travertine Travertino Sand
Mosaico Tessellation
22x26 cm - 8⅝"x10¼"

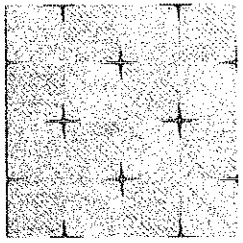


Marvel Travertine Travertino Pearl
Mosaico Tessellation
22x25 cm - 8⅝"x10⅛"

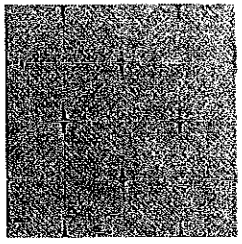


Vein Cut
Cross Cut

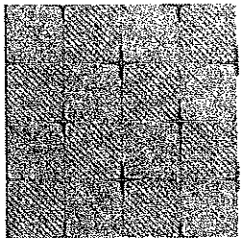
A	31,6 cm - 12⅜"
B	22 cm - 8⅝"
C	22 cm - 8⅝"
D	25,2 cm - 10⅞"



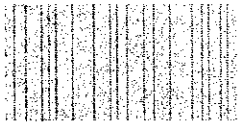
Marvel Travertine Travertino White
Diamond [1]
60x60 cm - 23⅝"x23⅝"
Cross Cut



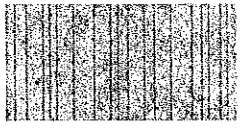
Marvel Travertine Travertino Sand
Diamond [1]
60x60 cm - 23⅝"x23⅝"
Cross Cut



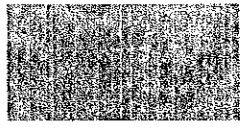
Marvel Travertine Travertino Pearl
Diamond [1]
60x60 cm - 23⅝"x23⅝"
Cross Cut



Marvel Travertine Travertino White
Cross Chiselled Urban Grid [2]
30x60 cm - 11⅞"x23⅝"
Cross Cut

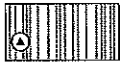


Marvel Travertine Travertino Sand
Cross Chiselled Urban Grid [2]
30x60 cm - 11⅞"x23⅝"
Cross Cut

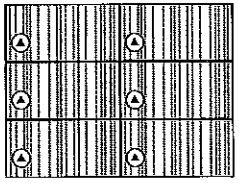


Marvel Travertine Travertino Pearl
Cross Chiselled Urban Grid [2]
30x60 cm - 11⅞"x23⅝"
Cross Cut

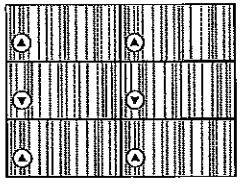
For best results it is recommended to follow one of the following laying patterns. – Per un risultato estetico ottimale si consiglia di seguire uno dei seguenti schemi di posa. – Nous vous invitons à respecter un des schémas de pose suivants pour un résultat esthétique optimal. – Für ein optisch optimales Resultat empfehlen wir, eines der nachstehenden Verlegemuster zu befolgen. – Para obtener un mejor resultado estético, es aconsejable seguir uno de los siguientes esquemas de colocación. – Для достижения наилучшего эстетического результата рекомендуется использовать одну из следующих схем укладки.



LAYING PATTERN 1



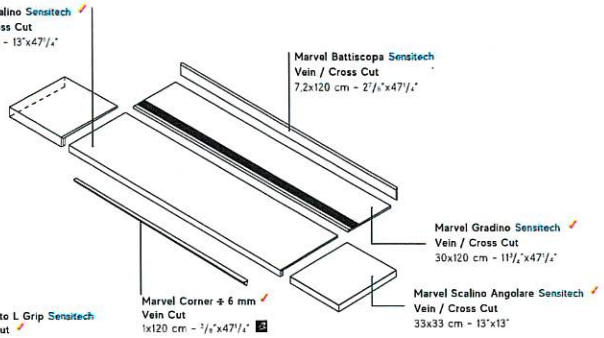
LAYING PATTERN 2



[1] Application of decorative materials. The use of a common mild detergent is recommended. Avoid using acidic or alkaline products, waxes, steel wool, or abrasives. – Applicazione di materiali decorativi. Si consiglia l'utilizzo di un comune detergente neutro. Evitare l'utilizzo di prodotti acidi o alcalini, cerette o pagliette di metallo o abrasivi. – Application de matériaux décoratifs. Nous conseillons l'emploi de détergents neutres courants. Éviter l'utilisation de cires et de produits acides ou alcalins, pas plus que les pailles métalliques ou abrasives. – Dekormaterialien auf. Es empfiehlt sich, ein handelsübliches, neutrales Reinigungsmittel zu verwenden. Säure oder alkalische Produkte, Wachs, Stahlwolle oder Scheuermittel sind zu vermeiden. – Aplicación de materiales decorativos. Recomendamos utilizar un detergente neutro común. Hay que evitar el uso de productos ácidos o alcalinos, ceras, estropajos de metal o abrasivos. – Применение декоративных материалов. Рекомендуется мягкое обычное моющее средство. Не рекомендуется использовать кислотные, щелочные средства, воски, стальную мочалку, абразивы. [2] Engraved mosaic. For best results it is advisable to completely plaster the openings. – Mosaico inciso. Per un risultato ottimale si consiglia di stuccare completamente le fessure. – Mosaïque gravée. Pour de meilleurs résultats, il est recommandé de remplir complètement les joints. – Das ritzte Mosaik. Für ein optimales Resultat ist es ratsam, die Fugen vollständig zu verputzen. – Mosaico grabado. Para obtener los mejores resultados se recomienda enlucir completamente las juntas. – Для оптимального результата рекомендуется полностью затирать швы.

Trim tiles

Indoor trim tiles



Marvel Scalino Sensitech ✓
Vein / Cross Cut
33x120 cm - 13"x47¹/₄"

Marvel Battiscopa Sensitech
Vein / Cross Cut
7.2x120 cm - 2⁷/₈"x47¹/₄"

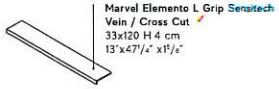
Marvel Battiscopa Sagomato
Vein / Cross Cut Sx/Dx ✓
7.2x30 cm - 2⁷/₈"x11³/₄"

Marvel Gradino Sensitech ✓
Vein / Cross Cut
30x120 cm - 11³/₄"x47¹/₄"

Marvel Corner + 6 mm ✓
Vein Cut
1x120 cm - ³/₈"x47¹/₄"

Marvel Scalino Angolare Sensitech ✓
Vein / Cross Cut
33x33 cm - 13"x13"

Outdoor trim tiles



Marvel Elemento L Grip Sensitech
Vein / Cross Cut ✓
33x120 H 4 cm
13"x47¹/₄" x1⁵/₈"

✓ **These parts are supplied to order** / I pezzi sono disponibili su ordinazione

Outdoor trim tiles + 20 mm

Marvel Round
Sensitech SP ▪ ◆ ✓
33x120 cm - 13"x47¹/₄"

Marvel Costa Design
Sensitech SP ▪ ✓
33x120 cm - 13"x47¹/₄"

Marvel Elemento L
Sensitech SP ▪ ◆ ✓
33x120 cm - 13"x47¹/₄"

Marvel Alzata
Sensitech SP ▪ ✓
20x120 cm - 7⁷/₈"x47¹/₄"

Marvel Top
Sensitech SP ▪ ✓
30x120 cm - 11³/₄"x47¹/₄"

▪ **Available in** / Disponibile in **White - Sand - Pearl Vein Cut**
✓ **These parts are supplied to order** / I pezzi sono disponibili su ordinazione
◆ **Right-left angular elements are available** / Sono disponibili gli elementi angolari dx/sx

Outdoor Porcelain tiles + 20 mm

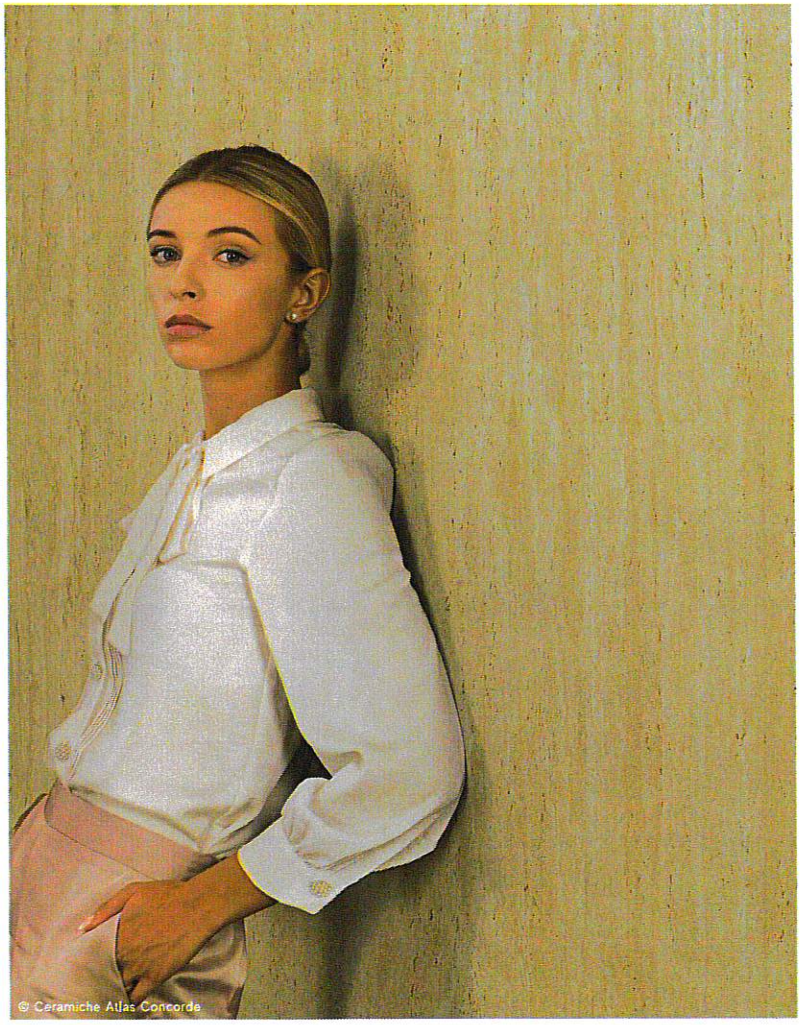
For further details on the 20mm thick products, related trim pieces and installation systems - in particular for recommendations and precautions during installation- please refer to the Outdoor Design section on the Atlas Concorde website or to the Outdoor Design catalogue. Per dettagli sul prodotto e sui relativi pezzi speciali in 20mm di spessore, per i sistemi di posa e, in particolare, per raccomandazioni, accorgimenti e precauzioni in fase di posa e progettazione, si raccomanda di prendere visione del catalogo Outdoor Design e della sezione Outdoor Design del sito Atlas Concorde. - Pour plus de renseignements sur le produit, les pièces spéciales de 20mm d'épaisseur et sur les systèmes de pose, ainsi que pour tous conseils et recommandations et précautions d'emploi pendant la pose ou en phase de conception, nous vous recommandons de lire le catalogue Outdoor Design et de consulter la section Outdoor Design sur le site d'Atlas Concorde - Bitte beachten Sie die detaillierten Informationen zum Produkt und zu den zugehörigen Formteilen in 20mm Stärke, zu den Verlegesystemen sowie vor allem die Empfehlungen, Tipps und bei der Planung und Verlegung zu beachtenden Vorsichtsmaßnahmen, die im Katalog Outdoor Design sowie im Bereich Outdoor Design der Atlas Concorde-Website aufgeführt sind - Para mayor información sobre el producto y sus relativas piezas especiales de 20mm de grosor, para los sistemas de colocación, y en particular para las recomendaciones, cautelas y precauciones en la fase de colocación y diseño, se recomienda consultar el catálogo Outdoor Design y la sección Outdoor Design del sitio Atlas Concorde. - Подробнее о плитках и о специальных элементах толщиной 20мм, о системах монтажа, о мерах предосторожности при проектировании и укладке можно узнать в каталоге Outdoor Design и в разделе Outdoor Design на сайте Atlas Concorde.

Note

For information and details relating to codes, packaging and weight it is recommended to refer to the latest pricelist. / Per le informazioni e i dati relativi a codici, imballaggi e pesi occorre sempre consultare l'ultimo listino aggiornato e in vigore / Pour toutes informations et renseignements concernant les codes, les emballages et les poids, il y a toujours lieu de consulter le dernier tarif en vigueur et mis à jour / Für Informationen und Daten die den Code, die Verpackung und das Gewicht betreffen bitte die aktuellste Preisliste zugrunde legen. / Para acceder a la información y a los datos relativos a códigos, embalajes y pesos hay que consultar siempre la última lista de precios actualizada y vigente. / Для информации о кодах, упаковках и весе обращайтесь к последнему действующему прайс-листу.

Colors and optical features of the materials illustrated in this catalogue are to be regarded as mere indications. / I colori e le caratteristiche estetiche dei materiali illustrati nel presente catalogo sono da intendersi puramente indicativi / Les coloris et les caractéristiques esthétiques des références illustrées dans le catalogue sont donnés à titre purement indicatif. /Die Farben und die ästhetischen Eigenschaften der in diesem Katalog abgebildeten Produkte sind als reine Richtwerte zu betrachten. / Los colores y las características estéticas de los materiales ilustrados en el presente catálogo deben ser considerados como puramente indicativos. / Цвета и эстетические характеристики описанных в настоящем каталоге материалов являются только ориентировочными.

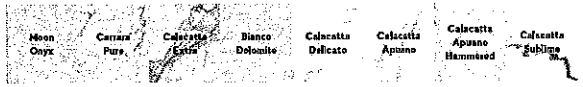
Atlas Concorde reserves the right to modify any product without notice and will not be liable for any direct or indirect damage resulting from such modifications. / Atlas Concorde si riserva di modificare i prodotti senza preavviso, declinando ogni responsabilità su eventuali danni diretti o indiretti derivanti da eventuali modifiche / Atlas Concorde se reserve le droit de modifier ses produits sans préavis et décline toute responsabilité concernant les éventuels dommages directs ou indirects qui pourraient dériver de ces modifications. / Atlas Concorde behält sich das Recht vor jederzeit und ohne vorherige Ankündigung, die Produkte zu verändern, und lehnt jede Haftung bei direkten oder indirekten Schäden ab, die von diesen Veränderungen herrühren. / Atlas Concorde se reserva el derecho de modificar los productos sin previo aviso, rechaza cualquier responsabilidad sobre eventuales daños directos o indirectos derivados de eventuales modificaciones / Atlas Concorde оставляет за собой право изменять характеристики изделий без предварительного уведомления, отклоняя при этом любую ответственность за прямые или косвенные убытки, возникшие в результате изменений.



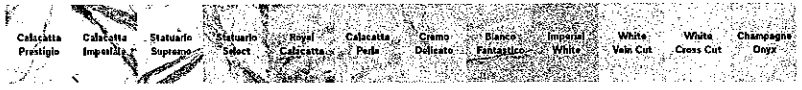
INDEX
OVERVIEW
HBA HIRSCH BEDNER ASSOCIATES
IMAGE GALLERY
SURFACE RANGE & TECHNICAL SPECS
COLLECTION RANGE
MARVEL WORLD
TECHNICAL SPECIFICATIONS & CERTIFICATIONS
ENJOY THE VIDEO
EN | IT | FR | DE | RU

White

RANGE SUMMARY (1) (5)



		Moon Onyx	Carrara Pure	Calacatta Extra	Bianco Dolomite	Calacatta Delicato	Calacatta Apuano	Calacatta Apuano Hammered	Calacatta Sublime
Floor & Wall									
Furniture									
160x320 cm 63"x126"	± 6 mm			Polished Matte	Polished				
120x278 cm 47¼"x109½"	± 6 mm		Polished Matte	Polished * (1) (5) Matte	Polished Matte	Polished	Polished Silk		Polished (5) Silk (5)
120x240 cm 47¼"x94½"	± 9 mm		Polished	Polished	Polished	Polished	Polished		Polished
160x160 cm 63"x63"	± 6 mm			Polished Matte	Polished				
120x120 cm 47¼"x47¼"	± 9 mm		Polished Matte (5)	Polished Matte (5)	Polished Matte (5)	Polished Matte (5)	Polished Silk		Polished Silk
60x120 cm 23⅝"x47¼"	± 9 mm		Polished Matte (5)	Polished Matte (5)	Polished Matte (5)	Polished Matte (5)	Polished Matte (5)	Matte (5)	Polished Matte (5)
75x150 cm 29½"x59"	± 9 mm		Polished	Polished Matte (5)	Polished	Polished Silk	Polished Silk		Polished Silk
75x75 cm 29½"x29½"	± 9 mm	Polished Matte (5)	Polished	Polished Matte (5)	Polished	Polished Silk	Polished Silk		Polished Silk
37,5x75 cm 14¾"x29½"	± 9 mm					Polished			
60x60 cm 23⅝"x23⅝"	± 9 mm	Polished Matte (5)	Polished Matte (5)	Polished Matte (5)	Polished Matte (5)	Polished | Silk Matte (5)	Polished Matte (5)		Polished Matte (5)
30x60 cm 11¾"x23⅝"	± 9 mm	Polished Matte (5)	Polished Matte (5)	Polished Matte (5)	Polished Matte (5)	Silk	Polished Matte (5)		Polished Matte (5)
Outdoor									
60x120 cm 23⅝"x47¼"	± 9 mm								
60x120 cm 23⅝"x47¼"	± 20 mm							Outdoor (5)	
Wall									
50x120 cm 19⅝"x47¼"	± 8,5 mm		Shiny	Shiny	Shiny	Silk			
40x80 cm 15¾"x31½"	± 8,5 mm		Shiny	Shiny	Shiny	Shiny			
30,5x91,5 cm 12"x36"	± 8,5 mm	Shiny		Shiny					
30,5x56 cm 12"x22"	± 8,5 mm	Shiny		Shiny					
8x31,5 cm 3⅛"x12⅜"	± 8,5 mm		Shiny	Shiny					
Countertops									
Furniture									
162x324 cm 63¾"x127⅜" > Non rectified	± 6 mm			Polished * | Silk *					
	± 12 mm			Polished * | Silk *	Polished	Silk	Polished * | Silk *		
159x324 cm 62⅝"x127⅜" > Non rectified	± 20 mm			Polished * ■ | Matte * ■	Polished				



	Calacatta Prestigio	Calacatta Imperiale	Statuario Supremo	Statuario Select	Royal Calacatta	Calacatta Perla	Cremo Delicato	Bianco Fantastico	Imperial White	White Vein Cut	White Cross Cut	Champagne Onyx
Floor & Wall												
Furniture												
160x320 cm 63"x126"	Polished (5)		Polished (5)				Polished					
120x278 cm 47¼"x109½"	Polished * (5) Silk (5)	Polished (5)	Polished * (5) Silk (5)	Polished	Polished	Polished Silk	Polished Matte	Polished Matte		Matte		
120x240 cm 47¼"x94½"	Polished	Polished	Polished	Polished	Polished	Polished	Polished	Polished		Matte (5)		
160x160 cm 63"x63"	Polished		Polished				Polished					
120x120 cm 47¼"x47¼"	Polished Matte (5)	Polished Matte (5)	Polished Matte (5)	Polished	Polished	Polished Silk	Polished Matte (5)	Polished Matte (5)	Polished		Matte (5)	
60x120 cm 23⅝"x47¼"	Polished Matte (5)	Polished Matte (5)	Polished Matte (5)			Polished Matte (5)	Polished Matte (5)	Polished Matte (5)		Matte (5)	Matte (5)	
75x150 cm 29½"x59"	Polished Silk	Polished * Silk	Polished * Silk	Polished *	Polished	Polished Silk	Polished	Polished Matte (5)	Polished			Polished
75x75 cm 29½"x29½"	Polished Silk	Polished Silk	Polished Silk	Polished	Polished	Polished Silk	Polished	Polished Matte (5)	Polished			Polished Matte (5)
37,5x75 cm 14¾"x29½"	Polished	Polished	Polished									
60x60 cm 23⅝"x23⅝"	Polished | Silk Matte (5)	Polished | Silk Matte (5)	Polished | Silk Matte (5)	Polished Matte (5)	Polished Matte (5)	Polished Matte (5)	Polished Matte (5)	Polished Matte (5)	Polished Matte (5)		Matte (5)	Polished Matte (5)
30x60 cm 11¾"x23⅝"	Silk	Silk	Silk	Polished Matte (5) Textured	Polished Matte (5)	Polished Matte (5)	Polished Matte (5) Textured		Polished Matte (5)			Polished Matte (5)
Outdoor												
60x120 cm 23⅝"x47¼"										Grip (5)	Grip (5)	
60x120 cm 23⅝"x47¼"										Outdoor (5)		
Wall												
50x120 cm 19⅝"x47¼"	Silk	Silk	Silk	Shiny	Shiny		Shiny	Shiny	Shiny			
40x80 cm 15¾"x31½"	Shiny	Shiny	Shiny	Shiny	Shiny		Shiny		Shiny			Shiny
30,5x91,5 cm 12"x36"				Shiny			Shiny					Shiny
30,5x56 cm 12"x22"												Shiny
8x31,5 cm 3⅛"x12⅜"				Shiny								
Countertops												
Furniture												
162x324 cm 63¾"x127⅜" > Non rectified		Silk *										
	Silk *	Polished * | Satin | Silk *	Polished * | Satin * | Silk *									
159x324 cm 62⅝"x127⅜" > Non rectified		Polished ■ Matte ■	Polished ■ Matte ■									

■ Nature-vein tech * Also available in Bookmatch(5) For notes (1)-(4)-(5) see page 137

Sensitech see page 160

INDEX
OVERVIEW
HBA HIRSCH BEDNER ASSOCIATES
IMAGE GALLERY
SURFACE RANGE & TECHNICAL SPECS
COLLECTION RANGE
MARVEL WORLD
TECHNICAL SPECIFICATIONS & CERTIFICATIONS
ENJOY THE VIDEO
EN | IT | FR | DE | RU

Beige & Brown

RANGE SUMMARY (1) (5)

		Travertino Alabastrino	Gold Onyx	Sand Vein Cut	Sand Cross Cut	Cream Prestige	Pearl Vein Cut	Pearl Cross Cut	Beige Mystery	Gris Clair	Elegant Sable	Bronze Luxury	Absolute Brown
Floor & Wall Furniture													
120x278 cm 47¹/₄"x109¹/₂"	÷ 6 mm			Matte			Matte						Polished
120x240 cm 47¹/₄"x94¹/₂"	÷ 9 mm			Matte (s)			Matte (s)						
120x120 cm 47¹/₄"x47¹/₄"	÷ 9 mm				Matte (s)			Matte (s)			Polished		Polished
60x120 cm 23⁵/₈"x47¹/₄"	÷ 9 mm			Matte (s)	Matte (s)		Matte (s)	Matte (s)					
75x150 cm 29¹/₂"x59"	÷ 9 mm	Polished	Polished			Polished					Polished		Polished
75x75 cm 29¹/₂"x29¹/₂"	÷ 9 mm	Polished	Polished			Polished			Polished Matte (s)		Polished	Polished Matte (s)	Polished
60x60 cm 23⁵/₈"x23⁵/₈"	÷ 9 mm	Polished Matte (s)			Matte (s)	Polished Matte (s)		Matte (s)	Polished Matte (s)		Polished Matte (s)	Polished Matte (s)	Polished Matte (s)
30x60 cm 11³/₄"x23⁵/₈"	÷ 9 mm	Polished Matte (s)				Polished Matte (s)			Polished Matte (s)		Polished Matte (s)	Polished Matte (s)	Polished Matte (s)
Outdoor													
60x120 cm 23⁵/₈"x47¹/₄"	÷ 9 mm			Grip (s)	Grip (s)		Grip (s)	Grip (s)					
60x120 cm 23⁵/₈"x47¹/₄"	÷ 20 mm			Outdoor (s)			Outdoor (s)						
Wall													
50x120 cm 19⁵/₈"x47¹/₄"	÷ 8,5 mm					Shiny					Shiny		
40x80 cm 15³/₄"x31¹/₂"	÷ 8,5 mm	Shiny				Shiny				Shiny	Shiny		Shiny
30,5x91,5 cm 12"x36"	÷ 8,5 mm	Shiny							Shiny			Shiny	
30,5x56 cm 12"x22"	÷ 8,5 mm								Shiny			Shiny	
Countertops Furniture													
162x324 cm 63¹/₄"x127¹/₂" * Non rectified	÷ 6 mm			Hammered									
	÷ 12 mm			Hammered		Silk	Hammered						

* Also available in bookmatch(R)

For notes (1)-(5) see page 137

Sensitech

INDEX

OVERVIEW

HBA HIRSCH BEDNER ASSOCIATES

IMAGE GALLERY

SURFACE RANGE & TECHNICAL SPECS

COLLECTION RANGE
MARVEL WORLD
TECHNICAL SPECIFICATIONS & CERTIFICATIONS

ENJOY THE VIDEO
EN | IT | FR | DE | RU

Grey & Black

RANGE SUMMARY (1) (2)

Floor & Wall | Furniture

120x278 cm 47¼"x109½"	± 6 mm					Polished Matte	Polished Silk		Polished Silk	Polished Matte	Polished	Polished			Polished Matte
120x240 cm 47¼"x94½"	± 9 mm						Polished		Polished	Polished					Polished
160x160 cm 63"x63"	± 6 mm														
120x120 cm 47¼"x47¼"	± 9 mm	Polished				Polished Matte (5)	Polished Silk		Polished Silk	Polished Matte (5)	Polished	Polished			Polished Matte (5)
60x120 cm 23⅝"x47¼"	± 9 mm					Polished Matte (4)	Polished Matte (3)	Polished Matte (3)	Polished Matte (3)	Polished Matte (4)		Polished			Polished Matte (4)
75x150 cm 29½"x59"	± 9 mm	Polished			Polished	Polished *	Polished Silk		Polished Silk	Polished	Polished	Polished Matte (1)	Polished	Polished	Polished Matte (5)
75x75 cm 29½"x29½"	± 9 mm	Polished			Polished	Polished	Polished Silk		Polished Silk	Polished	Polished Matte (4)	Polished Matte (6)	Polished	Polished	Polished Matte (5)
37,5x75 cm 14¾"x29½"	± 9 mm														
60x60 cm 23⅝"x23⅝"	± 9 mm	Polished Matte (5)			Polished Matte (5)	Polished Matte (5)	Polished Matte (5)		Polished Matte (5)	Polished Matte (5)	Polished Matte (5)	Polished Matte (5)	Polished Matte (5)	Polished Matte (5)	Polished Matte (5)
30x60 cm 11¾"x23⅝"	± 9 mm	Polished Matte (6)			Polished Matte (6)	Polished Matte (6) | Textured	Polished Matte (6)		Polished Matte (6)	Polished Matte (6)			Polished Matte (6)	Polished Matte (6)	

Outdoor

60x120 cm 23⅝"x47¼"	± 20 mm						Outdoor (8)		

Wall

50x120 cm 19⅝"x47¼"	± 8,5 mm						Shiny	Shiny		Shiny		Shiny	Shiny	Shiny
40x80 cm 15¾"x31½"	± 8,5 mm		Shiny	Shiny	Shiny		Shiny					Shiny	Shiny	
30,5x91,5 cm 12"x36"	± 8,5 mm		Shiny	Shiny	Shiny							Shiny		
30,5x56 cm 12"x22"	± 8,5 mm		Shiny											

Countertops | Furniture

162x324 cm 63¾"x127½" > Non rectified	± 6 mm							Silk				Silk	
	± 12 mm					Polished * | Silk *	Silk					Polished * | Silk *	Polished * | Silk *
	± 20 mm						Matte					Matte	

* Also available in bookmatch(3)

For notes (1)-(8) see page 137

Sensitech see page 120

INDEX
OVERVIEW
HBA HIRSCH BEDNER ASSOCIATES
IMAGE GALLERY
SURFACE RANGE & TECHNICAL SPECS
COLLECTION RANGE
MARVEL WORLD
TECHNICAL SPECIFICATIONS & CERTIFICATIONS
ENJOY THE VIDEO
EN | IT | FR | DE | RU

Precious

RANGE SUMMARY (1) (5)

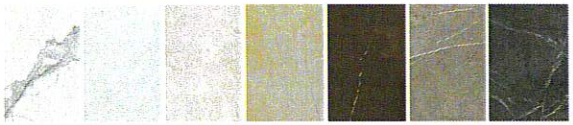
Floor & Wall / Furniture								
120x278 cm 47¹/₄"x109¹/₂"	≑ 6 mm	Polished	Polished				Polished	Polished
120x120 cm 47¹/₄"x47¹/₄"	≑ 9 mm	Polished	Polished				Polished	Polished
60x120 cm 23⁵/₈"x47¹/₄"	≑ 9 mm	Polished	Polished				Polished	Polished
75x150 cm 29¹/₂"x59"	≑ 9 mm			Polished	Polished	Polished		
75x75 cm 29¹/₂"x29¹/₂"	≑ 9 mm			Polished	Polished	Polished		
Wall								
50x120 cm 19⁵/₈"x47¹/₄"	≑ 8,5 mm				Shiny	Shiny		
Countertops / Furniture								
162x324 cm 63¹/₄"x127¹/₂" > Non rectified	≑ 6 mm	Polished *	Polished *					
	≑ 12 mm	Polished * Silk *	Polished * Silk *				Polished *	
	≑ 20 mm		Polished *					
159x324 cm 62⁵/₈"x127¹/₂" > Non rectified	≑ 20 mm	Polished *						

* Also available in bookmatch(2)

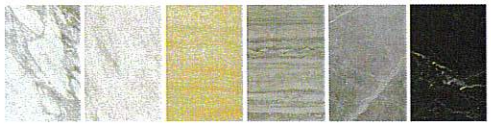
For notes (1)-(2)-(4)-(5) see page 137

INDEX
OVERVIEW
HBA HIRSCH BEDNER ASSOCIATES
IMAGE GALLERY
SURFACE RANGE & TECHNICAL SPECS
COLLECTION RANGE MARVEL WORLD TECHNICAL SPECIFICATIONS & CERTIFICATIONS
ENJOY THE VIDEO
EN | IT | FR | DE | RU

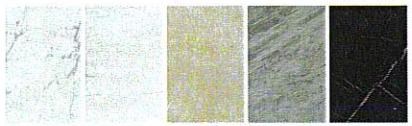
Marvel Calacatta Extra, Moon Onyx, Champagne Onyx, Beige Mystery, Bronze Luxury, Silver Dream, Grey Stone



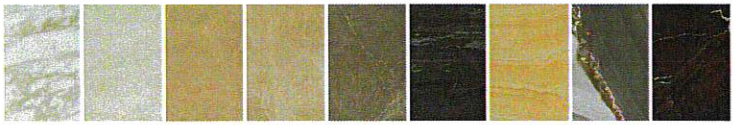
Marvel Pro Statuario Select, Cremo Delicato, Travertino Alabastrino, Travertino Silver, Grey Fleury, Noir St Laurent



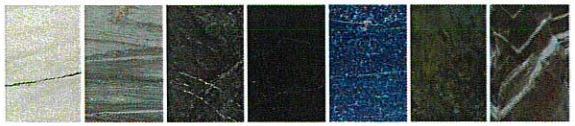
Marvel Stone Carrara Pure, Bianco Dolomite, Cream Prestige, Bardiglio Grey, Nero Marquinia



Marvel Edge Royal Calacatta, Imperial White, Elegant Sable, Gris Clair, Gris Supreme, Absolute Brown, Gold Onyx, Agata Azul, Red Luxury



Marvel Dream Bianco Fantastico, Morning Sky, Grigio Intenso, Black Atlantis, Ultramarine, Brazil Green, Crystal Beauty

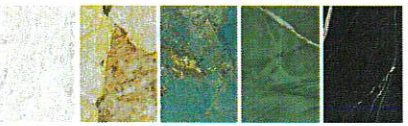


Marvel Shine Calacatta Delicato, Calacatta Prestigio, Statuario Supremo, Calacatta Imperiale

Marvel X Calacatta Apuano, Calacatta Sublime, Calacatta Perla, Grey Cloud, Fior di Bosco, Calacatta Apuano Hammered, Fior di Bosco Hammered

Marvel Travertine White Vein Cut, White Cross Cut, Sand Vein Cut, Sand Cross Cut, Pearl Vein Cut, Pearl Cross Cut

Marvel Gala Crystal White, Desert Soul, Amazzonite, Exotic Green, Calacatta Black



To learn more about the complete range of the collections, please refer to the catalogue of the series. – Per conoscere la gamma completa delle collezioni vi invita a consultare il catalogo di serie – Consulter le catalogue des series pour découvrir la gamme complète des collections – Die gesamte Produktpalette der Kollektionen finden Sie im Katalog der jeweiligen Serie – Para conocer la gama completa de las colecciones, rogamos consultar el catálogo de serie – Полная гамма коллекций представлена в соответствующих каталогах серий.

(1) The various graphics of the product are distributed randomly in the boxes, without the possibility of choosing between the available patterns. – All'interno delle casse le varie grafiche del prodotto sono distribuite in modo casuale, senza possibilità di scelta tra i pattern disponibili. – A l'intérieur des caisses, les différents graphismes du produit sont distribués en mode aléatoire, sans possibilité de choix entre les motifs disponibles – Die Kisten enthalten die verschiedenen Grafiken des Artikels nach dem Zufallsprinzip, ohne dass Sie zwischen den einzelnen Motiven wählen können – En el interior de las cajas, los distintos gráficos de los productos se distribuyen de forma aleatoria, sin que se pueda elegir el patrón disponible. – Рисунки распределены в ящиках в случайном порядке, без возможности выбора из доступных рисунков.

(2) Calacatta Extra Endless is composed of four graphics with vein continuity, but are distributed randomly in the boxes, without the possibility of choosing between the available patterns. – Calacatta Extra Endless è composto da quattro grafiche con continuità di vena ma all'interno delle casse queste sono distribuite in modo casuale, senza possibilità di scelta tra i pattern disponibili. – Calacatta Extra Endless est composé de quatre graphismes avec les veinures en continuité, mais celles-ci sont distribuées en mode aléatoire à l'intérieur des caisses, sans possibilité de choix entre les motifs disponibles – Calacatta Extra Endless besteht aus vier Grafiken mit durchlaufender Äderung, diese sind jedoch in den Kisten nach dem Zufallsprinzip enthalten, ohne dass Sie zwischen den einzelnen Motiven wählen können – Calacatta Extra Endles se compone de cuatro gráficos con continuidad de vetas, pero en el interior de las cajas están distribuidos de forma aleatoria, sin que se pueda elegir el patrón disponible – Calacatta Extra Endless состоит из четырех рисунков с непрерывными прожилками, но они распределены в ящиках в случайном порядке, без возможности выбора из доступных рисунков.

(3) Minor misalignments in the continuity of the veins between different graphics is normal for this type of product. – Eventuali piccoli disallineamenti nella continuità delle venature tra grafiche diverse sono una caratteristica intrinseca di questa tipologia di prodotto – Les éventuels petits désalignements de la continuité des veinures entre différents graphismes sont une caractéristique intrinsèque de cette typologie de produit. – Eventuelle kleine Versätze im Verlauf der Äderungen zwischen unterschiedlichen Grafiken sind charakteristisch für dieses Produkt – Cualquier pequeño desalineado en la continuidad de las vetas entre diferentes gráficos es una característica intrínseca de este tipo de producto – Возможное небольшое смещение рисунка прожилок на стыках плит является характеристикой данного вида изделий.

(4) The Endless Kit contains all the graphics of the product with vein continuity, ensuring that all the numbered faces in the composition can be found in a single box. The number of the graphic – 01, 02, 03, etc – is printed on the side and indicated with an adhesive label placed on the slab. To reconstruct the surface with continuous veins, simply lay the tiles in numerical progression: 01, 02, 03 and so on. – Il Kit Endless contiene tutte le grafiche del prodotto con continuità di vena, garanzia in un'unica cassa tutte le facce numerate che creano la composizione. Il numero della grafica, indicato come 01, 02, 03, etc. viene stampato sulla costa della lastra 276 e indicato con un adesivo posto sulla lastra. Per ricostruire la superficie con continuità di vena è sufficiente posare le lastre in progressione numerica 01, 02, 03, ecc. – Le Kit Endless contient toutes les graphismes du produit avec la continuité des veinures, il garantit, dans une seule caisse, toutes les faces numérotées qui créent la composition. Le numéro du graphisme, indiqué comme 01, 02, 03, etc. est imprimé sur le bord du côté 278 et indiqué avec un adhésif apposé sur la dalle. Pour reconstituer la surface avec des veinures en continuité, il suffit de poser les dalles en progression numérique: 01, 02, 03, etc. – Kit Endless umfasst alle Grafiken des Produkts mit durchlaufender Äderung und damit alle nummerierten Oberflächen, aus denen sich die Komposition zusammensetzt, garantiert in einer einzigen Kiste. Die Nummer der Grafik, d.h. 01, 02, 03 etc., ist auf der Kante der 276 cm langen Seite aufgedruckt und auch mit einem Klebeschild auf der Platte angegeben. Um das Gesamtbild mit durchlaufender Äderung zusammenzusetzen, werden die Platten einfach in numerischer Reihenfolge verlegt: 01, 02, 03 usw. – El Kit Endless contiene todas las caras del producto con continuidad de vetas, garantiza contar en una sola caja con todas las caras numeradas que forman la composición. El número del gráfico, indicado como 01, 02, 03, etc., está impreso en el canto del lado 276 y se indica mediante un adhesivo en la losa. Para reconstruir la superficie con continuidad de vetas, basta con colocar las losas en progresión numérica: 01, 02, 03, etc. – Kit Endless – это комплект, который содержит все плиты, необходимые для составления композиции с непрерывными рисунком прожилок. Вся плита пронумерована «хвостом» в одном ядре. Номер плиты, обозначенный как 01, 02, 03 и т.д., напечатан на торце плиты 278 и указан также на наклейке в углу плиты. Чтобы при облицовке создать рисунок с непрерывающимся прожилком, необходимо просто уложить плиты в последовательности 01, 02, 03 и т.д.

(5) A polished finish is recommended for low-stress residential or commercial floors where anti-slip performance is not required. The surface's shine and superior ease of cleaning are the result of in-depth studies and extensive technical research aimed at ensuring its durability over time. If the product is in direct contact with the outside, use moisture and dirt absorption devices to prevent scratches. Small irregularities on the surface are an intrinsic feature of the product, intended to imitate the surfaces of natural stone. La finitura lappata è indicata per pavimenti residenziali o commerciali poco sollecitati, laddove non sono richieste prestazioni antiscivolo. La lucentezza e l'elevata facilità di pulizia della superficie sono frutto di studi approfonditi e accurate ricerche tecniche volte a garantirne la persistenza nel tempo. Se il prodotto è a diretto contatto con l'esterno, prevedere dei dispositivi di assorbimento dell'umidità e dello sporco per prevenire la formazione di graffi. Piccole irregolarità superficiali sono una caratteristica intrinseca del prodotto, volte ad imitare le superfici delle pietre naturali. – La finition semi-polie est indiquée pour les sols résidentiels ou commerciaux à faibles contraintes, où la caractéristique antidérapante n'est pas nécessaire. La brillance et la grande facilité de nettoyage de la surface sont le résultat d'études approfondies et de recherches techniques précises visant à assurer sa pérennité dans le temps. Si le produit est en contact direct avec l'extérieur, prévoir des dispositifs d'absorption de l'humidité et des poussières pour prévenir la formation de rayures. Les petites irrégularités superficielles sont une caractéristique intrinsèque du produit et visent à imiter la surface de la pierre naturelle. – Die Oberflächenversion Gelappt eignet sich für Bodenbeläge in Wohnbereichen bzw. in gering beanspruchten Gewerberäumen, wenn keine Rutschfestigkeit erforderlich ist. Der Glanz und die einfache Reinigung der Oberfläche sind das Resultat eingehender technischer Studien, mit denen die langfristige Beständigkeit sichergestellt wurde. Kommt das Produkt direkt mit der externen Umgebung in Kontakt, so sind Feuchtigkeits und Schmutz mit geeigneten Mitteln aufzunehmen, um Kratzer zu vermeiden. Kleine Unregelmäßigkeiten der Oberflächen sind typisch für das Produkt, das die Oberflächen von Natursteinen nachempfindet. – El acabado lapeado es adecuado para pavimentos residenciales o comerciales con poco tráfico, donde no se requiere un efecto antideslizante. El brillo y la gran facilidad de limpieza de la superficie son el resultado de profundos estudios e investigaciones técnicas precisas para asegurar su persistencia en el tiempo. Si el producto está en contacto directo con el exterior, proporcionar dispositivos de absorción de humedad y suciedad para evitar arañazos. Pequeñas irregularidades superficiales son una característica intrínseca del producto, diseñadas para imitar las superficies de las piedras naturales. – Галтованная поверхность рекомендована для полов жилых и коммерческих помещений с невысокой интенсивностью эксплуатации, в которых от покрытия не требуется характеристик сопротивления скольжению. Блеск и легкая очищаемость являются результатом глубоких исследований, направленных на создание долговечного материала. Если плитка находится в непосредственном контакте с наружной средой, необходимо предусмотреть устройства поглощения влаги и грязи во избежание образования царапин. Небольшие «неровности» поверхности являются характеристикой данного изделия и призваны имитировать поверхность природного камня.

INDEX

OVERVIEW

HBA
HIRSCH
BEDNER
ASSOCIATES

IMAGE
GALLERY

SURFACE
RANGE &
TECHNICAL
SPECS

COLLECTION RANGE
MARVEL WORLD
TECHNICAL SPECIFICATIONS
& CERTIFICATIONS

ENJOY
THE VIDEO

EN | IT | FR | DE | RU

Porcelain tiles - Rectified monocaliber | Gres porcellanato - Rettificato monocalibro

Compliant with standards EN 14411 annex G group BIa
Compliant with standards ISO 13006 annex G group BIa
Conforme alla norma EN 14411 Appendice G gruppo BIa
Conforme alla norma ISO 13006 Appendice G gruppo BIa

120x278 cm - 47¹/₄"x109¹/₂" ∓ 6 mm
120x240 cm - 47¹/₄"x94¹/₂" ∓ 9 mm
120x120 cm - 47¹/₄"x47¹/₄" ∓ 9 mm
60x120 cm - 23⁵/₈"x47¹/₄" ∓ 9 mm
60x60 cm - 23⁵/₈"x23⁵/₈" ∓ 9 mm
60x120 cm - 23⁵/₈"x47¹/₄" ∓ 20 mm

Technical features / Caratteristiche tecniche	Test Method / Metodo di prova	Requirements for nominal size N / Requisiti per dimensione nominale N: 7 cm ≤ N < 15 cm (mm)	N ≥ 15 cm (%)	N ≥ 15 cm (mm)	Porcelain tiles: Matte, Matte Sensitech ∓ 9 mm	Matte ∓ 6 mm	Grip ∓ 9 mm	Outdoor ∓ 20 mm
Length and width Lunghezza e larghezza	ISO 10545-2	± 0,9 (*) Non-rect. ± 0,4 (*) Rect.	± 0,6 (*) Non-rect. ± 0,3 (*) Rect.	± 2,0 (*) Non-rect. ± 1,0 (*) Rect.	**Suitable for** Conforme	**Suitable for** Conforme	**Suitable for** Conforme	**Suitable for** Conforme
Thickness Spessore	ISO 10545-2	± 0,5 (**)	± 5 (**)	± 0,5 (**)	**Suitable for** Conforme	**Suitable for** Conforme	**Suitable for** Conforme	**Suitable for** Conforme
Straightness of sides Rettilineità degli spigoli	ISO 10545-2	± 0,6 (***) Non-rect. ± 0,4 (***) Rect.	± 0,5 (***) Non-rect. ± 0,3 (***) Rect.	± 1,5 (***) Non-rect. ± 0,8 (***) Rect.	**Suitable for** Conforme	**Suitable for** Conforme	**Suitable for** Conforme	**Suitable for** Conforme
Rectangularity (Measurement only on short edges when L/l ≥ 3) Ortogonalità (Misurazione da condurre solo sui lati corti quando L/l ≥ 3)	ISO 10545-2	± 0,8 (****) Non-rect. ± 0,4 (****) Rect.	± 0,5 (****) Non-rect. ± 0,3 (****) Rect.	± 2,0 (****) Non-rect. ± 1,5 (****) Rect.	**Suitable for** Conforme	**Suitable for** Conforme	**Suitable for** Conforme	**Suitable for** Conforme
Surface flatness Planarità	ISO 10545-2	c.c. ± 0,6 Non-rect. c.c. ± 0,6 Rect. e.c. ± 0,8 Non-rect. e.c. ± 0,6 Rect. w. ± 0,8 Non-rect. w. ± 0,5 Rect.	c.c. ± 0,5 Non-rect. c.c. ± 0,4 Rect. e.c. ± 0,5 Non-rect. e.c. ± 0,4 Rect. w. ± 0,5 Non-rect. w. ± 0,4 Rect.	c.c. ± 2,0 Non-rect. c.c. ± 1,8 Rect. e.c. ± 2,0 Non-rect. e.c. ± 1,8 Rect. w. ± 2,0 Non-rect. w. ± 1,6 Rect.	**Suitable for** Conforme	**Suitable for** Conforme	**Suitable for** Conforme	**Suitable for** Conforme
Water absorption (in% by mass) Massa d'acqua assorbita (come % della massa)	ISO 10545-3	**E_v ≤ 0,5% Individual Maximum 0,6%** E_v ≤ 0,5% Valore massimo singolo 0,6%			≤ 0,1 %	≤ 0,1 %	≤ 0,1 %	≤ 0,1 %
	ASTM C373-18	**Requirement ANSI A137.1 Water absorption max ≤ 0,5%**			≤ 0,5 %	≤ 0,5 %	≤ 0,5 %	≤ 0,5 %
Breaking strength Sforzo di rottura	ISO 10545-4	S ≥ 700N (for thickness < 7,5 mm - per spessore < 7,5 mm) S ≥ 1300N (for thickness ≥ 7,5 mm - per spessore ≥ 7,5 mm)			S ≥ 1500 N	S ≥ 1000 N	S ≥ 1500 N	S ≥ 10000 N
Modulus of rupture Resistenza alla flessione	ISO 10545-4	R ≥ 35 N/mm²			R ≥ 40 N/mm²	R ≥ 40 N/mm²	R ≥ 40 N/mm²	R ≥ 45 N/mm²
Bending strength and breaking load Resistenza a flessione e al carico di rottura (4)(5)	EN 1339 Annex F	-			-	-	-	≥ U4 60x120
Impact resistance, as coefficient of restitution Resistenza all'impatto, espresso come coefficiente di restituzione	ISO 10545-5	**Declared value** Valore dichiarato			≥ 0,55	≥ 0,55	≥ 0,55	≥ 0,55
Mohs hardness Durezza Mohs	EN 101	-			6	6	8	8
Resistance to deep abrasion of unglazed tiles (removed volume) Resistenza all'abrasione profonda delle piastrelle non smaltate (volume materiale asportato)	ISO 10545-6	≤ 175 mm³			≤ 150 mm³	≤ 150 mm³	≤ 150 mm³	≤ 150 mm³
Coefficient of thermal linear expansion Coefficiente di dilatazione termica lineare	ISO 10545-8	**Declared value** Valore dichiarato			≤ 7MK⁻¹	≤ 7MK⁻¹	≤ 7MK⁻¹	≤ 7MK⁻¹
Thermal shock resistance Resistenza agli sbalzi termici	ISO 10545-9	**Pass according to EN ISO 10545-1** Test superato in accordo con ISO 10545-1			**Resistant** Resiste	**Resistant** Resiste	**Resistant** Resiste	**Resistant** Resiste
Moisture expansion (in mm/m) Dilatazione all'umidità (in mm/m)	ISO 10545-10	**Declared value** Valore dichiarato			≤ 0,01% (0,1mm/m)	≤ 0,01% (0,1mm/m)	≤ 0,01% (0,1mm/m)	≤ 0,01% (0,1mm/m)
Frost resistance Resistenza al gelo	ISO 10545-12	**Pass according to EN ISO 10545-1** Test superato in accordo con ISO 10545-1			**Resistant** Resiste	**Resistant** Resiste	**Resistant** Resiste	**Resistant** Resiste
Bond strength/adhesion for improved cementitious adhesives Adesione a trazione con adesivi cementizi migliorati	EN 1348	**Declared value** Valore dichiarato			≥ 1,0 N/mm² (Class C2 - EN 12004)	≥ 1,0 N/mm² (Class C2 - EN 12004)	≥ 1,0 N/mm² (Class C2 - EN 12004)	≥ 1,0 N/mm² (Class C2 - EN 12004)
Reaction to fire Reazione al fuoco	-	**Class A1 or A1$_{fl}$** Classe A1 oppure A1$_{fl}$			A1 - A1$_{fl}$	A1 - A1$_{fl}$	A1 - A1$_{fl}$	A1 - A1$_{fl}$
Resistance to household chemicals and swimming pool salts Resistenza ai prodotti chimici di uso domestico e agli additivi per piscina	ISO 10545-13	**Minimum Class B** Classe minima B			A	A	A	A
Resistance to low concentrations of acids and alkalis Resistenza a basse concentrazioni di acidi e alcali	ISO 10545-13	**Declared Class** Classe dichiarata			LA	LA	LA	LA
Resistance to high concentrations of acids and alkalis Resistenza ad alte concentrazioni di acidi e alcali	ISO 10545-13	**Declared Class** Classe dichiarata			HA	HA	HA	HA
Resistance to staining, for unglazed tiles Resistenza alle macchie per piastrelle non smaltate	ISO 10545-14	**Declared Class** Classe dichiarata			5	5	5	5
Shod Ramp Test Metodo della rampa "calzato" (1)(2)	EN 16165 ANNEX B (EX DIN 51130)	**Declared value** Valore dichiarato			R10	R9	R11	R11
Barefoot Ramp Test Metodo della rampa a piedi nudi	EN 16165 ANNEX A (EX DIN 51097)	**Declared value** Valore dichiarato			A+B	A	A+B+C	A+B+C
Pendulum Friction Test Metodo del Pendolo	BS 7976	**PTV ≥ 36 classifies the surface as "low slip risk"**			≥ 35 Dry ≥ 36 Wet	(●)	≥ 36 Dry ≥ 36 Wet	≥ 36 Dry ≥ 36 Wet
	AS 4586	**Declared Classification of the new pedestrian surface materials according to the Pendulum Test**			Class P3	(●●)	Class P4	Class P4
	UNE-ENV 12633 - UNE 41901:2017 EX	**Declared value** Valore dichiarato			Class C2	(●●●)	Class C3	Class C3
Coefficient of friction (COF) Coefficiente di attrito	B.C.R.A. Rep. CEC/81	D.M. 236/89 del 14/06/89 µ >0,40 per elemento scivolante cuoio su pavimentazione asciutta µ >0,40 per elemento scivolante gomma dura su pavimentazione bagnata			> 0,40 Asciutto > 0,40 Bagnato	> 0,40 Asciutto > 0,40 Bagnato	> 0,40 Asciutto > 0,40 Bagnato	> 0,40 Asciutto > 0,40 Bagnato
Dynamic coefficient of friction (DCOF) Coefficiente di attrito dinamico	ANSI A 326,3	-			wet DCOF ≥ 0,50	wet DCOF ≥ 0,42	wet DCOF ≥ 0,55	wet DCOF ≥ 0,55

* The permissible deviation, in % or mm, of the average size for each tile (2 or 4 sides) from work size (WS). Deviazione ammissibile in % oppure mm, della dimensione media di ogni piastrella (2 oppure 4 lati) dalla dimensione di fabbricazione (WS).
** The permissible deviation, in % or mm, of the average thickness for each tile from the work size thickness (WS). Deviazione ammissibile, in % oppure mm, dello spessore medio di ogni piastrella dallo spessore riportato nella dimensione di fabbricazione (WS).
*** The maximum permissible deviation from straightness, in % or mm, related to the corresponding work sizes (WS). Deviazione massima ammissibile di rettilineità, in % oppure mm, in rapporto alle dimensioni di fabbricazione (WS) corrispondenti.
**** The maximum permissible deviation from rectangularity, in % or mm, related to the corresponding work sizes (WS). Deviazione massima ammissibile di ortogonalità, in % oppure mm, in rapporto alle dimensioni di fabbricazione (WS) corrispondenti.
c.c. The maximum permissible deviation from centre curvature, in % or mm, related to diagonal calculated from the work sizes (WS). Deviazione massima ammissibile della curvatura del centro, in % oppure mm, in rapporto alla diagonale calcolata secondo le dimensioni di fabbricazione (WS).
e.c. The maximum permissible deviation from edge curvature, in % or mm, related to the corresponding work sizes (WS). Deviazione massima ammissibile della curvatura dello spigolo, in % oppure mm, in rapporto alle dimensioni di fabbricazione (WS) corrispondenti.
w. The maximum permissible deviation from warpage, in % or mm, related to diagonal calculated from the work sizes (WS). Deviazione massima ammissibile dello svergolamento, in % oppure mm, in rapporto alla diagonale calcolata secondo le dimensioni di fabbricazione (WS).
(1) Determination of slip resistance of pedestrian surfaces; it does not cover sports surfaces and road surfaces for vehicles (skid resistance). Determinazione della resistenza allo scivolamento delle superfici pedonabili, non si applica alle pavimentazioni sportive ed alle pavimentazioni stradali veicolari.
(2) Anti-slip performance is guaranteed at the time of delivery of the product. Le prestazioni anti-slip vengono garantite al momento della consegna del prodotto.
(3) However, tiles with a DCOF of 0,42 or greater are not necessarily suitable for all projects. The specifier shall determine tiles appropriate for specific project conditions, considering by way of example, but not in limitation, type of use, traffic, expected contaminants, expected maintenance, expected wear, and manufacturers' guidelines and recommendations."
(4) For further details, please refer to outdoor design general catalogue. Per maggiori informazioni riferirsi al catalogo generale Outdoor Design.
(5) Only for products with 20 mm thickness. Solo per prodotti a 20mm di spessore.
(●) PTV ≥ 36 Wet on demand / su richiesta (●●) P3 on demand / su richiesta (●●●) C3 on demand / su richiesta

Ethical identity

Ceramics of Italy

MADE IN ITALY

For Atlas Concorde, being Made in Italy is not just a prestigious certification of style, design, and production excellence, but an identity that involves all aspects of its business. For this reason, we identify with the values expressed by Confindustria Ceramica's ethical code, which guarantee absolute compliance with labor regulations, and with the marks Made in Italy and Ceramics of Italy, which certify the quality of authentic Italian style.

Per Atlas Concorde, Made in Italy non è solo un prestigioso attestato di stile, design ed eccellenza produttiva, ma un modo di essere che coinvolge tutti gli aspetti della propria attività. Per questo ci riconosciamo nei valori espressi dal codice etico di Confindustria Ceramica, che garantiscono il rispetto assoluto delle normative sul lavoro, e nei marchi Made in Italy e Ceramics of Italy, che certificano la qualità dell'autentico stile italiano.

Certifications

Certifications

Company / Azienda

DNV ISO 9001 · DNV ISO 14001 · DNV ISO 45001

Product / Prodotto

ISO 17889-1 · ISO 14021 · LEED · WELL v2

Product "Declarations" / Dichiarazioni di prodotto

EPD · PEF · FDES · DECLARE

Certifications for export to international markets*

CE · CCC · SQM SAUDI ARABIA · SGS INDONESIA · QB UPEC ■■■ · atlasconcorde.com · cstb.fr

* **Shipments can be made in accordance with national requirements anywhere in the world, even in markets with complex customs procedures such as Egypt, Morocco and Kurdistan, thanks to our active cooperation with accredited certification bodies in each country** - Possibilità di spedizioni conformi alle prescrizioni nazionali ovunque nel mondo, anche in mercati con procedure doganali complesse come Egitto, Marocco, Kurdistan grazie alla collaborazione sempre attiva con gli enti di certificazione accreditati in ciascun paese. - Dank unserer aktiven Zusammenarbeit mit den akkreditierten Zertifizierungsstellen in den einzelnen Ländern können die Sendungen in Übereinstimmung mit den nationalen Anforderungen überall auf der Welt versandt werden, selbst auf Märkten mit komplexen Zollverfahren wie Ägypten, Marokko und Kurdistan. - Possibilité d'expéditions conformes aux prescriptions nationales partout dans le monde, même sur les marchés dont les procédures douanières sont complexes comme l'Égypte, le Maroc ou le Kurdistan, grâce à la collaboration toujours active avec les organismes de certification homologués dans chaque pays. - Se pueden realizar envíos según la normativa nacional a cualquier parte del mundo, incluso a mercados con procedimientos aduaneros complejos como Egipto, Marruecos o Kurdistán, gracias a la cooperación permanente con los organismos de certificación acreditados en cada país. - Компания имеет возможность осуществлять поставки в любую точку мира в соответствии с национальными требованиями, даже на рынках со сложными таможенными процедурами, таких как Египет, Марокко, Курдистан, благодаря неизменно активному сотрудничеству с аккредитованными органами сертификации в каждой стране.
■ Classificazione UPEC aggiornata al - Classement UPEC mis à jour au 2025
■ Si consiglia la consultazione della pagina - On vous conseille de vous connecter à https://database.cstb.fr/holderdetails?Uid=ETB-2094&AppRef=QB32
■ Per ulteriori informazioni scrivere a - Pour tous renseignements complémentaires merci d'écrire à france@atlasconcorde.it

The evolution of ceramic surfaces

DISCOVER MORE
EN | IT | FR | DE | ES | RU

Sensitech is the high-tech surface for indoor and outdoor settings created by Atlas Concorde Laboratories. The surface combines high slip resistance performance with tactile softness. With Sensitech, the meaning of surface evolves and takes on a reassuring, pleasant and practical touch, making architectural spaces more comfortable and appealing.

Sensitech è la superficie ad alto coefficiente tecnologico per gli ambienti interni ed esterni realizzata dai Laboratori Atlas Concorde. La superficie coniuga elevate prestazioni di resistenza allo scivolamento ad una maggiore morbidezza tattile. Con Sensitech il significato di superficie si evolve e assume un tocco rassicurante, piacevole e pratico, rendendo gli spazi architettonici sempre più confortevoli e appaganti.

Sensitech est la surface hautement technologique conçue par les laboratoires Atlas Concorde pour les espaces intérieurs et extérieurs. Elle associe des performances de résistance au glissement élevées à une plus grande douceur au toucher. Avec Sensitech, la définition de surface évolue et acquiert un aspect rassurant, agréable et pratique, rendant ainsi les espaces architecturaux de plus en plus confortables.

Sensitech ist die High-Tech-Oberfläche für Innen- und Außenbereiche, die von den Laboratorien Atlas Concorde realisiert wurden. Die Oberfläche kombiniert hohe Rutschfestigkeit mit taktiler Weichheit. Mit Sensitech entwickelt sich die Bedeutung der Oberfläche weiter und erhält einen beruhigenden, angenehmen und praktischen Touch, der architektonische Räume komfortabler gestaltet.

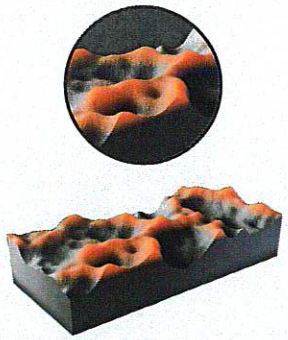
Sensitech es la superficie de alto valor tecnológico para ambientes interiores y exteriores creada por los laboratorios de Atlas Concorde. La superficie combina un alto rendimiento de resistencia al deslizamiento con una mayor suavidad al tacto. Con Sensitech, el significado de superficie evoluciona y adquiere un aire tranquilizador, agradable y práctico, haciendo que los espacios arquitectónicos resulten cada vez más cómodos y agradables.

Sensitech – это высокотехнологичная поверхность для помещений и улицы, созданная лабораториями Atlas Concorde. Она сочетает в себе высокие показатели противоскольжения с высокой тактильной мягкостью. Sensitech трансформирует значение поверхностей, делая их успокаивающими, приятными и практичными, благодаря чему архитектурные пространства становятся удобнее.

Sensitech

SAFE. SOFT. SMART.

INDOOR & OUTDOOR CONTINUITY
SOFT TO THE TOUCH
EXTREMELY SAFE
HYGIENIC AND EASY TO CLEAN
LONG-LASTING QUALITIES



Traditional anti-slip surface

The innovative Sensitech Surface

The profile of standard anti-slip surfaces has an accentuated alternation of peaks and hollows, which generates friction and increases slip resistance, but also results in very rough surfaces. In Sensitech, special micro-particles fill hollows, leaving the anti-slip performance intact, while the surface is levelled and smoothed. These qualities make cleaning easier because it is less likely to retain dust and dirt.

MARVEL TRAVERTINE

GRES PORCELLANATO
TECHNICAL FEATURES - COMPLIANT WITH STANDARDS EN 14411 (ISO 13006)
ANNEX G GROUP BIa

atlas concorde

Sizes	120x278 cm 47 ⅛"x109 ⅛" 6mm	120x240 cm 47 ⅛"x94 ½" 9mm	120x120 cm 47 ⅛"x47 ⅛" 9mm	60x120 cm 23⅝"x47 ⅛" 9mm	60x120 cm 23⅝"x47 ⅛" 20mm	60x60 cm 23⅝"x23⅝" 9mm

		Technical features	Test method	Requisites for nominal size N			Marvel Travertine			
				7 cm ≤ N < 15 cm	N ≥ 15 cm		Matte rectified 6mm 120x278 cm	Matte rectified 9mm	Grip rectified	Outdoor rectified
				(mm)	(%)	(mm)				
Regularity features		Length and width	ISO 10545-2	± 0,9 (*) Non-rect. ± 0,4 (*) Rect.	± 0,6 (*) Non-rect. ± 0,3 (*) Rect.	± 2,0 (*) Non-rect. ± 1,0 (*) Rect.	Suitable for	Suitable for	Suitable for	Suitable for
		Thickness		± 0,5 (**)	± 5 (**)	± 0,5 (**)	Suitable for	Suitable for	Suitable for	Suitable for
		Straightness of sides		± 0,8 (***) Non-rect. ± 0,4 (***) Rect.	± 0,6 (***) Non-rect. ± 0,3 (***) Rect.	± 1,5 (***) Non-rect. ± 0,8 (***) Rect.	Suitable for	Suitable for	Suitable for	Suitable for
		Perpendicularity (Measurement only on short edges when L/l ≥ 3)		± 0,8 (***) Non-rect. ± 0,4 (***) Rect.	± 0,6 (***) Non-rect. ± 0,3 (***) Rect.	± 2,0 (***) Non-rect. ± 1,5 (***) Rect.	Suitable for	Suitable for	Suitable for	Suitable for
		Surface flatness		c.c. ± 0,8 Non-rect. c.c. ± 0,6 Rect.	c.c. ± 0,5 Non-rect. c.c. ± 0,4 Rect.	c.c. ± 2,0 Non-rect. c.c. ± 1,8 Rect.	Suitable for	Suitable for	Suitable for	Suitable for
				e.c. ± 0,8 Non-rect. e.c. ± 0,6 Rect.	e.c. ± 0,5 Non-rect. e.c. ± 0,4 Rect.	e.c. ± 2,0 Non-rect. e.c. ± 1,8 Rect.				
				w. ± 0,8 Non-rect. w. ± 0,6 Rect.	w. ± 0,5 Non-rect. w. ± 0,4 Rect.	w. ± 2,0 Non-rect. w. ± 1,8 Rect.				
Structural features		Water absorption level (in% by mass)	ISO 10545-3	E≤ 0,5% Individual Maximum 0,6%			≤0.1%	≤0.1%	≤0.1%	≤0.1%
			ASTM C373-18	Requirement ANSI A137.1-2017 Water Absorption Max < 0,5%			≤0.5%	≤0.5%	≤0.5%	≤0.5%
Bulk mechanical features		Breaking strenght	ISO 10545-4	S ≥ 700N (for thickness < 7,5mm) S ≥ 1300N (for thickness ≥ 7,5mm)			S ≥1000 N	S ≥1500 N	S ≥1500 N	S ≥10000 N
		Bending resistance		R ≥ 35 N/mm²			R ≥40 N/mm²	R ≥40 N/mm²	R ≥40 N/mm²	R ≥45 N/mm²
		Bending and breaking load resistance (4)(5)	EN 1339 Annex F	-						≥T11 120x120 90X90 I ≥U4 60x120
		Impact resistance	ISO 10545-5	Declared value			≥0.55	≥0.55	≥0.55	≥0.55
Surface mechanical features		Deep abrasion resistance of unglazed tiles	ISO 10545-6	≤ 175 mm³			≤150mm³	≤150mm³	≤150mm³	≤150mm³

* Permitted deviation, in % or mm, from the average size of each tile (2 or 4 sides) with respect to the manufacturing size (W).
** Permitted deviation, in % or mm, from the average thickness of each tile with respect to the cited manufacturing thickness (W).
*** Maximum permitted straightness deviation, in % or mm, with respect to the corresponding manufacturing sizes (W).
**** Maximum permitted perpendicularity deviation, in % or mm, with respect to the corresponding manufacturing sizes (W).
**** Maximum permitted centre curvature deviation, in % or mm, with respect to the diagonal calculated according to manufacturing sizes (W).
e.c. Maximum permitted corner curvature deviation, in % or mm, with respect to the corresponding manufacturing sizes (W).
w. Maximum permitted bending deviation, in % or mm, with respect to the diagonal calculated according to manufacturing sizes (W).
(1) Determining the slip resistance of pedestrian surfaces; not applicable to sports flooring or road traffic flooring.
(2) The anti-slip performance is guaranteed at the time of delivering the product.
(3) However, tiles with a DCOF of 0.42 or greater are not necessarily suitable for all projects. The specifier shall determine tiles appropriate for specific project conditions, considering by way of example, but not in limitation, type of use, traffic, expected contaminants, expected maintenance, expected wear, and manufacturers' guidelines and recommendations."
(4) For further details, please refer to the outdoor design general catalogue.
(5) Only for products with 20 mm thickness

MARVEL TRAVERTINE

GRES PORCELLANATO
TECHNICAL FEATURES - COMPLIANT WITH STANDARDS EN 14411 (ISO 13006)
ANNEX G GROUP BIa

atlas concorde

Sizes	120x278 cm 47 ⅛"x109 ⅜" 6mm	120x240 cm 47 ⅛"x94 ⅜" 9mm	120x120 cm 47 ⅛"x47 ⅛" 9mm	60x120 cm 23¾"x47 ⅛" 9mm	60x120 cm 23¾"x47 ⅛" 20mm	60x60 cm 23¾"x23¾" 9mm

		Technical features	Test method	Requisites for nominal size N			Marvel Travertine			
				7 cm ≤ N < 15 cm	N ≥ 15 cm		Matte rectified 6mm 120x278 cm	Matte rectified 9mm	Grip rectified	Outdoor rectified
				(mm)	(%)	(mm)				
Thermo-igrometric features		Coefficient of linear thermal expansion	ISO 10545-8	Declared value			≤7MK^{-1}	≤7MK^{-1}	≤7MK^{-1}	≤7MK^{-1}
		Thermal shock resistance	ISO 10545-9	Test passed in accordance with ISO 10545-1			Resistant	Resistant	Resistant	Resistant
		Moisture expansion (in mm/m)	ISO 10545-10	Declared value			≤0.01% (0.1mm/m)	≤0.01% (0.1mm/m)	≤0.01% (0.1mm/m)	≤0.01% (0.1mm/m)
		Frost resistance	ISO 10545-12	Test passed in accordance with ISO 10545-1			Resistant	Resistant	Resistant	Resistant
Physical properties		Bond strenght	EN 1348	Declared value			≥1.0 N/mm² (Class C2 - EN 12004)	≥1.0 N/mm² (Class C2 - EN 12004)	≥1.0 N/mm² (Class C2 - EN 12004)	≥1.0 N/mm² (Class C2 - EN 12004)
		Reaction to fire	-	Class A1 or A1$_{fl}$			A1 - A1$_{fl}$	A1 - A1$_{fl}$	A1 - A1$_{fl}$	A1 - A1$_{fl}$
Chemical features		Resistance to household chemicals and swimming pool salts	ISO 10545-13	Minimum B class			A	A	A	A
		Resistance to low concentrations of acids and alkalis		Declared class			LA	LA	LA	LA
		Resistance to high concentrations of acids and alkalis		Declared class			HA	HA	HA	HA
		Stain resistance	ISO 10545-14	Declared class			5	5	5	5
Safety characteristics (1)(2)		Booted ramp test	DIN EN 16165 ANNEX B (EX DIN 51130)	Declared class			R9	R10	R11	R11
		Barefoot Ramp test	DIN EN 16165 ANNEX A (EX DIN 51097)	Declared value			A	A+B	A+B+C	A+B+C
		Pendulum friction Test	BS EN 16165 ANNEX C (EX BS 7976)	PTV ≥ 36 classifies the surface as "low slip risk"			PTV ≥ 36 Wet on demand	≥36Dry ≥36Wet	≥36Dry ≥36Wet	≥36Dry ≥36Wet
			AS 4586	Declared Classification of the new pedestrian surface materials according to the Pendulum Test			P3 on demand	Class P3	Class P4	Class P4
			UNE 41901 EX:2017	Declared value			C2 on demand	Class C2	Class C3	Class C3
		Coefficient of friction	B.C.R.A. Rep. CEC/81	Min. Dec. 236/89 of 14/06/89 μ >0.40 for a sliding leather element on a dry $_{fl}$oor μ >0.40 for a sliding hard rubber element on a wet $_{fl}$oor			>0.40Asciutto >0.40Bagnato	>0.40Asciutto >0.40Bagnato	>0.40Asciutto >0.40Bagnato	>0.40Asciutto >0.40Bagnato
		Dynamic coefficent of friction (DCOF)	ANSI A 326.3	-			Wet DCOF ≥ 0.42	Wet DCOF ≥ 0.50	Wet DCOF ≥ 0.55	Wet DCOF ≥ 0.55

* Permitted deviation, in % or mm, from the average size of each tile (2 or 4 sides) with respect to the manufacturing size (W).
** Permitted deviation, in % or mm, from the average thickness of each tile with respect to the cited manufacturing thickness (W).
*** Maximum permitted straightness deviation, in % or mm, with respect to the corresponding manufacturing sizes (W).
**** Maximum permitted perpendicularity deviation, in % or mm, with respect to the corresponding manufacturing sizes (W).
***** Maximum permitted centre curvature deviation, in % or mm, with respect to the diagonal calculated according to manufacturing sizes (W).
e.c. Maximum permitted corner curvature deviation, in % or mm, with respect to the corresponding manufacturing sizes (W).
w. Maximum permitted bending deviation, in % or mm, with respect to the diagonal calculated according to manufacturing sizes (W).
(1) Determining the slip resistance of pedestrian surfaces; not applicable to sports flooring or road traffic flooring.
(2) The anti-slip performance is guaranteed at the time of delivering the product.
(3) However, tiles with a DCOF of 0.42 or greater are not necessarily suitable for all projects. The specifier shall determine tiles appropriate for specific project conditions, considering by way of example, but not in limitation, type of use, traffic, expected contaminants, expected maintenance, expected wear, and manufacturers' guidelines and recommendations."
(4) For further details, please refer to the outdoor design general catalogue.
(5) Only for products with 20 mm thickness