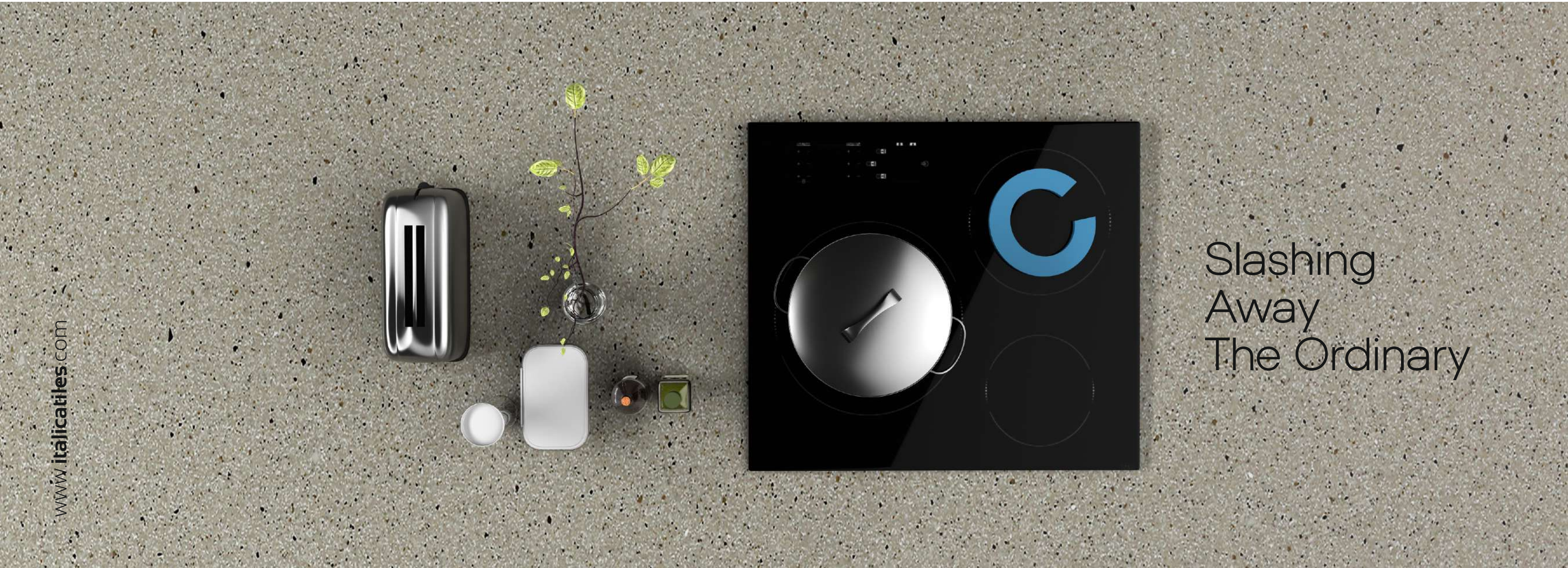


Fullbody &  
Colorbody Tiles

italica  
INNOVATING TRENDS

SLABS  
COLLECTION

800x  
2400  
mm





# Excellence Redefined

Standing as a beacon of excellence, Italica's journey of 20 years is marked by commitment to innovation, quality, and customer satisfaction. From single homes to large residential developments, we blend artistry and advanced technology in every tile we produce.

Class.  
Creativity.  
Commitment.





Designed in  
**ITALY** 



## NATURE'S PURE INSPIRATION

In the heart of Italy, our designers draw inspiration from the timeless beauty of natural stone. Immersed in serene landscapes, they capture nature's textures, colors, and patterns, igniting pure creativity.

- World's Best Marbles & Stones
- Authentic Natural Colors
- Unique Patterns & Textures

## VISION TO PERFECTION

Transforming inspiration into reality, our Italian designers refine each design with cutting edge technology and modern innovation. Every tile is a testament to their dedication to perfection and quality.

- Variety of Finishes
- High-Definition Detailing
- Correcting Flaws



## RESULTS THAT MESMERIZE

From inspiration to perfection, our "Designed in Italy" collection brings Italian beauty and sophistication into your home, adding a touch of timeless elegance to any space.

- Timeless Elegance
- Versatile Applications
- Distinct & Rare Spaces



## Vision

To become the forerunner of innovation in the ceramic tile industry, setting the global standard for quality, artistry, and functionality, and becoming the preferred choice for enhancing living and working spaces worldwide.

## Brand Promise

To craft ceramic tiles that represent our core values of class, creativity, and commitment, enhancing living and working environments with innovative designs and unparalleled quality.

## Values

The corporate values governing Italica are not just words on paper; they are a commitment to our excellence and authenticity.

### Integrity

We uphold the highest standards of honesty and ethical behavior in all our business practices, ensuring fair treatment for our associates and partners.

### Passion

We are driven by a relentless pursuit of quality and innovation, aiming to exceed client expectations and serve consumers worldwide with dedication.

### Perseverance

In the face of challenges, we persist with determination and creativity, continuously striving to expand our presence and impact across the globe.

### Punctuality

Our commitment to timely delivery is unwavering. We streamline our processes to ensure products reach our customers promptly and efficiently.

### Commitment

We are devoted to meeting the diverse needs of our customers, constantly working to deliver satisfaction and build lasting relationships.

## Adorned Worldwide

**80+**

Countries  
We Export

**1500+**

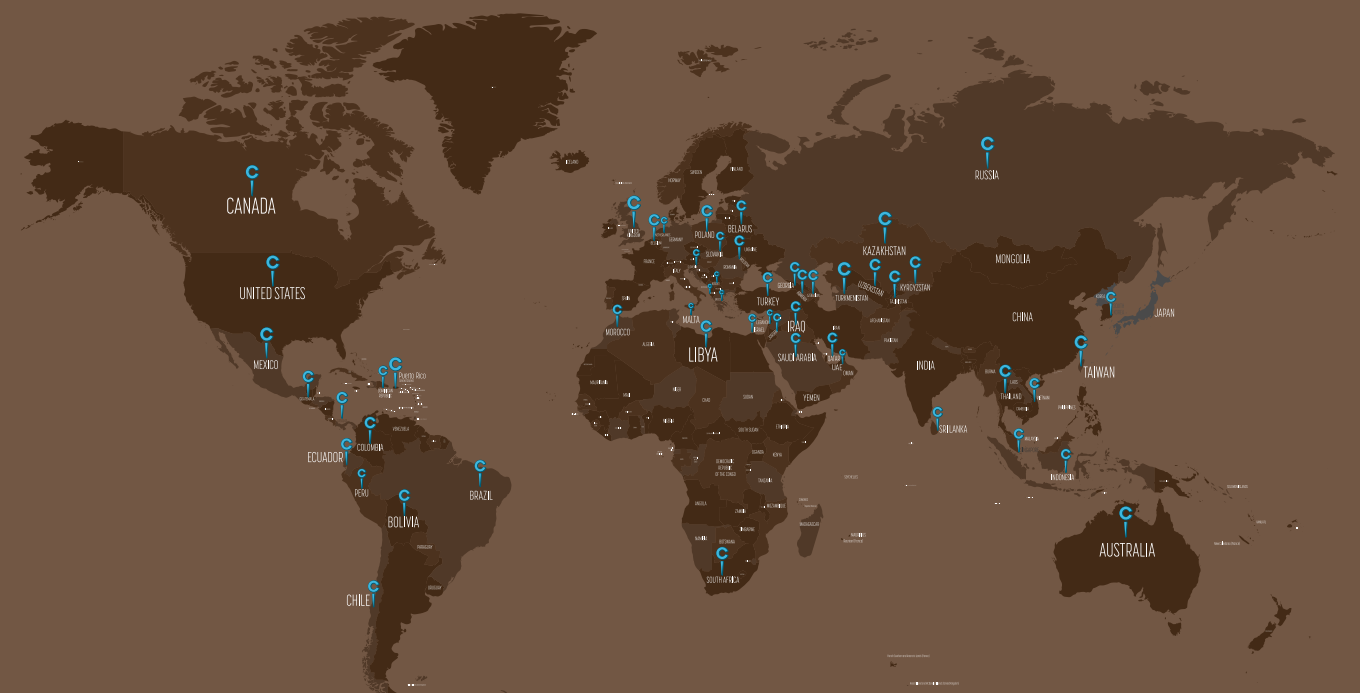
Unique  
Designs

**800+**

National &  
International  
Clients

**1700+**

Employees  
Worldwide



Albania • Armenia • Australia • Azerbaijan • Belgium • Belarus • Bhutan • Bolivia • Brazil  
Canada • Chile • Colombia • Dominican Republic • Ecuador • Georgia • Greece • Guatemala  
Hungary • Indonesia • Iraq • Israel • Jordan • Kazakhstan • Kosovo • Kyrgyzstan • Libya • Lebanon  
Macedonia • Malta • Mexico • Moldova • Morocco • Netherlands • Oman • Panama • Peru  
Poland • Puerto Rico • Qatar • Russia • Saudi Arabia • Serbia • Singapore • Slovakia • Slovenia  
South Africa • South Korea • Spain • Sri Lanka • Tajikistan • Taiwan • Thailand • Turkey • Turkmenistan  
U.A.E. • U.K. • U.S.A. • Uzbekistan • Vietnam • Yemen





# INTER- ACTIVE INDEX

## SAGO (FULLBODY) SERIES (NUTECH)

	SAGO CHOCO	SPECIAL	#NUTECH
	SAGO NERO	SPECIAL	#NUTECH
	SAGO WHITE	SPECIAL	#NUTECH
	SAGO CREMA	BASIC	#NUTECH
	SAGO BARLY	BASIC	#NUTECH
	SAGO CHARCOAL	BASIC	#NUTECH

## (POLISHED)

	SAGO CHOCO	SPECIAL	POLISHED
	SAGO NERO	SPECIAL	POLISHED
	SAGO WHITE	SPECIAL	POLISHED
	SAGO BARLY	BASIC	POLISHED
	SAGO CHARCOAL	BASIC	POLISHED
	SAGO CREMA	BASIC	POLISHED

## GRANY (FULLBODY) SERIES (MATT)

	GRANY BLACK	SPECIAL	MATT
	GRANY WHITE	SPECIAL	MATT
	GRANY WALNUT	SPECIAL	MATT
	GRANY CAMEL	BASIC	MATT
	GRANY CREMA	BASIC	MATT
	GRANY GREY	BASIC	MATT


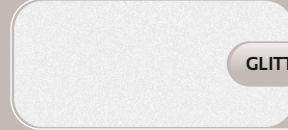
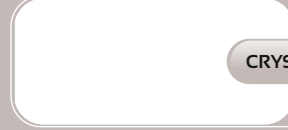





## (POLISHED)

	GRANY BLACK	SPECIAL	POLISHED
	GRANY WHITE	SPECIAL	POLISHED
	GRANY WALNUT	SPECIAL	POLISHED
	GRANY CAMEL	BASIC	POLISHED
	GRANY CREMA	BASIC	POLISHED
	GRANY GREY	BASIC	POLISHED


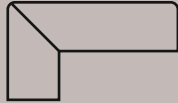
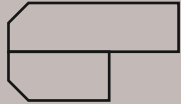


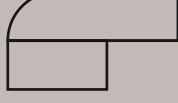


## OTHER FULLBODY

	ROYAL QUARTZ	POLISHED
	GRAPHITE GREY	BASIC MATT
	STEEL GREY	BASIC MATT
	GRAPHITE GREY	BASIC POLISHED
	STEEL GREY	BASIC POLISHED
	BLACK	SPECIAL POLISHED
	WHITE	BASIC POLISHED

## COLOR BODY

	GLITTY BLACK	SPECIAL	MATT
	GLITTY WHITE	BASIC	MATT
	CRYSTAL WHITE	NUTECH	
	LABRADORITE HUGE	SPECIAL	POLISHED
	SATUARIO YUKA	BASIC	POLISHED
	PORTORO GOLD	SPECIAL	POLISHED
	SATUARIO CANOVA	BASIC	POLISHED
	VOLGA AZUL	SPECIAL	POLISHED

## EDGE PROFILES

	
Eased	Miter 1-1/2"
	
Double Bevel	Full Bullnose
	
Bevel 1/4	Roll 1/4
	
Half Bullnose	Roll 1/4 Top & Bottom





# SAGO

*Series*

Experience luxury with our 800x2400mm full-body tiles, 15mm thick. These tiles redefine elegance with seamless designs, reducing grout lines for easy maintenance. Ideal for high-traffic areas, they offer timeless beauty and are perfect for floors, walls, and artistic installations. Elevate your space with our full-body tiles

## FULLBODY

**15mm** ↓  
THICKNESS ↑

FULLBODY

AVAILABLE IN :

**NUTECH | POLISHED**



Nutech (Special) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

SAGO CHOCO

FULL BODY



[www.italicatiles.com](http://www.italicatiles.com)

Click here for 360 View 

15mm  
THICKNESS

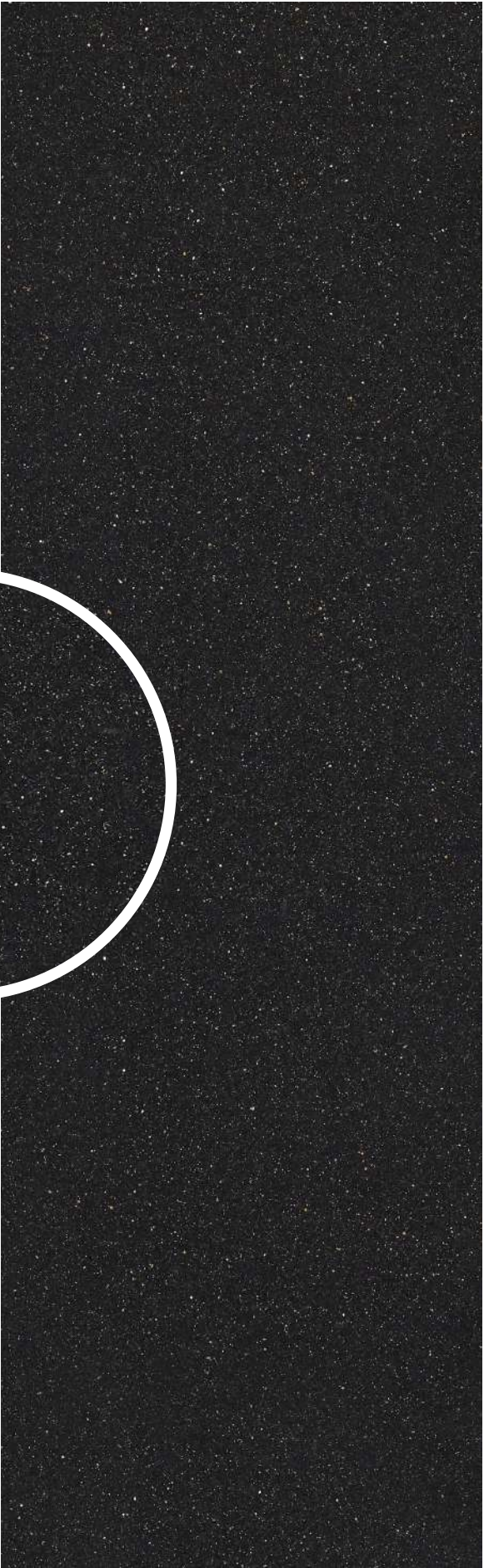


Nutech (Special) | 800x2400mm

BACK TO INDEX 

SAGO NERO

FULL BODY





Nutech (Special) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

SAGO WHITE

FULL BODY





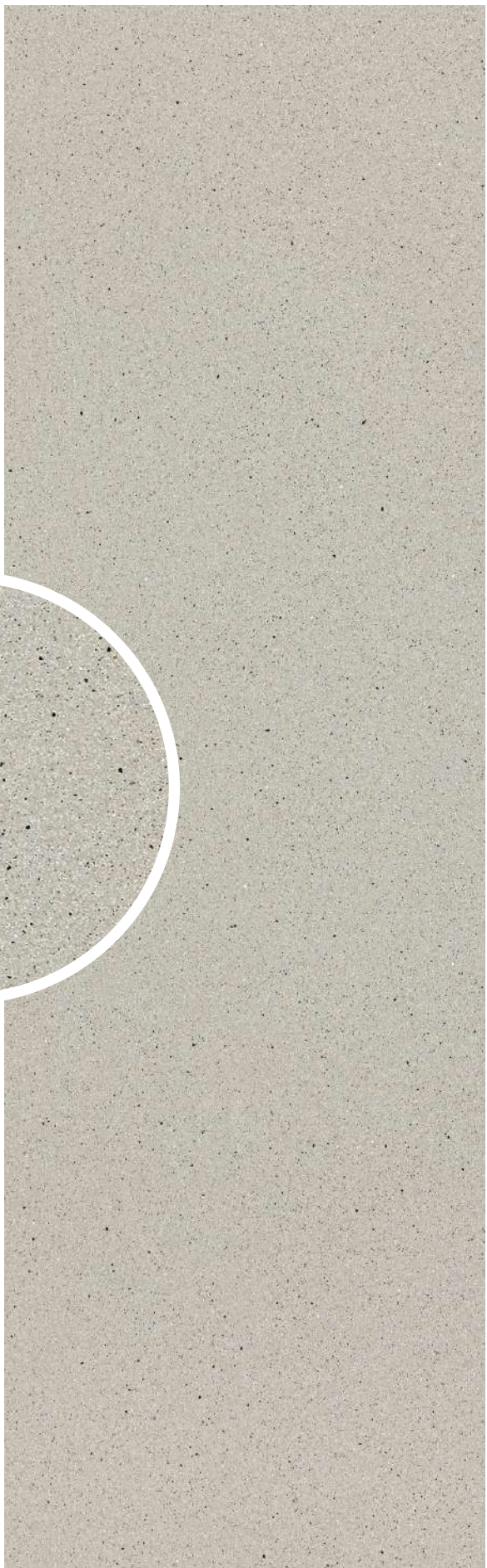
Nutech (Basic) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

SAGO CREMA

FULL BODY





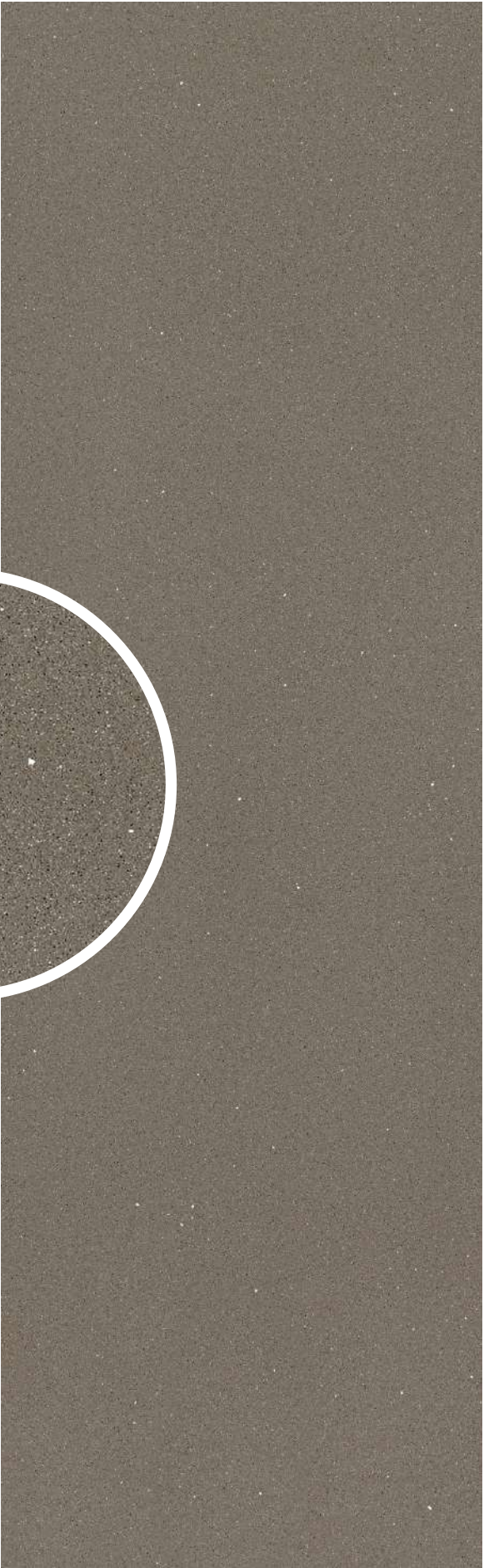
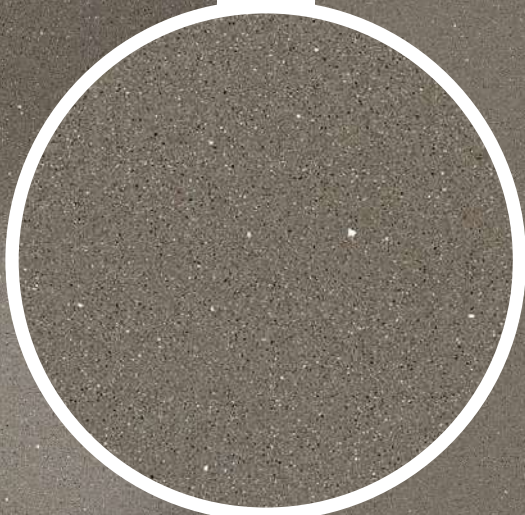
Nutech (Basic) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

SAGO BARLY

FULL BODY





Nutech (Basic) | 800x2400mm

BACK TO INDEX 

SAGO CHARCOAL

FULL BODY





Polished (Special) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

SAGO CHOCO

FULL BODY





Polished (Special) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

SAGO NERO

FULL BODY





Polished (Special) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

SAGO WHITE

FULL BODY



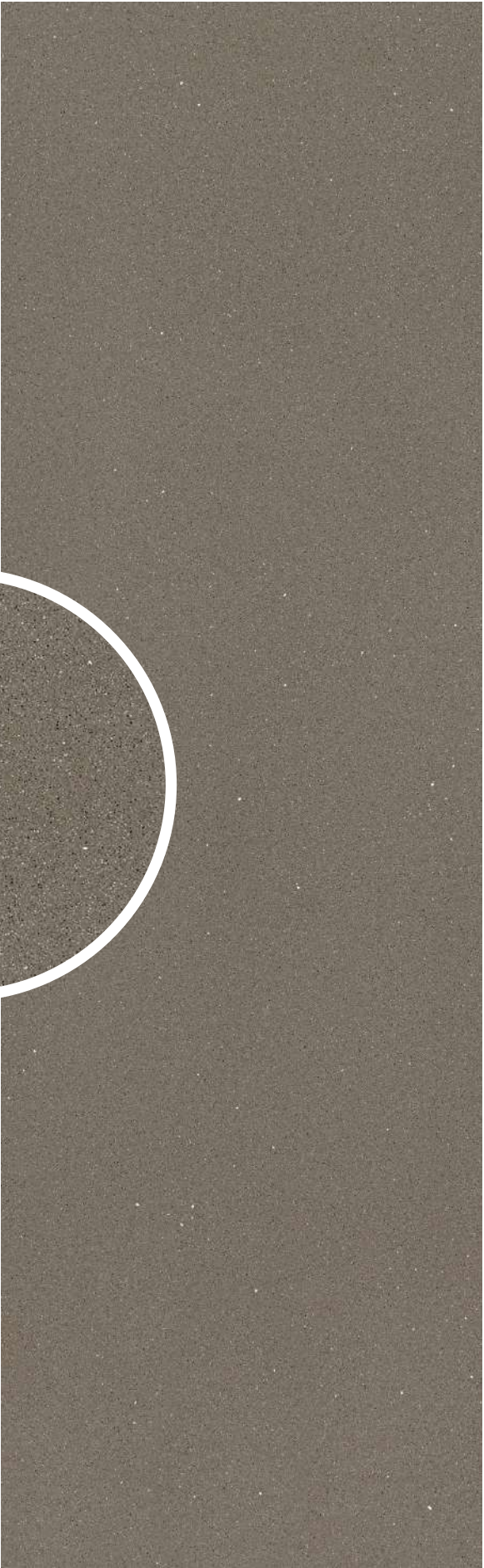


Polished (Basic) | 800x2400mm

BACK TO INDEX 

SAGO BARLY

FULL BODY





Polished (Basic) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

SAGO CHARCOAL

FULL BODY



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Click here for 360 View



15mm  
THICKNESS



Polished (Basic) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

SAGO CREMA

FULL BODY



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Click here for 360 View 

15mm  
THICKNESS



# GRANY

*Series*

Create a luxurious ambiance with our 800x2400mm full-body tiles, 15mm thick. These tiles boast seamless designs that reduce grout lines for easy maintenance. Ideal for high-traffic areas, they offer timeless beauty and are perfect for floors, walls, and artistic installations. Elevate your space with our full-body tiles."

## FULLBODY

**15mm** ↓  
THICKNESS ↑

FULLBODY

AVAILABLE IN :

**POLISHED | MATT**



Matt (Special) | 800x2400mm

BACK TO INDEX 


italica  
INNOVATING TRENDS

GRANY BLACK

FULL BODY



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15mm  
THICKNESS



Matt (Special) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

GRANY WHITE

FULL BODY



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15mm  
THICKNESS



Matt (Special) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

GRANY WALNUT

FULL BODY



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15mm  
THICKNESS



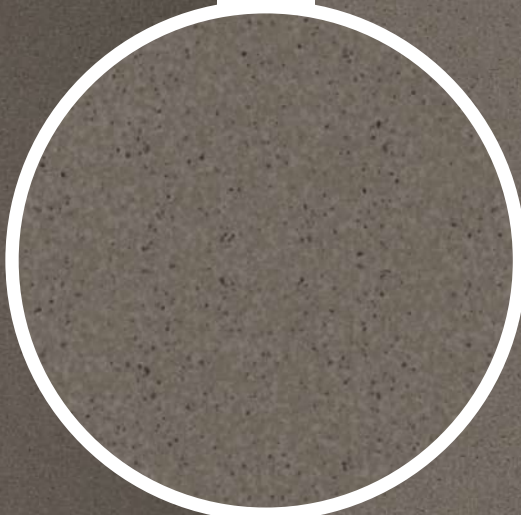
Matt (Basic) | 800x2400mm

BACK TO INDEX 


italica  
INNOVATING TRENDS

GRANY CARAMEL

FULL BODY



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15mm  
THICKNESS



Matt (Basic) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

GRANY CREMA

FULL BODY





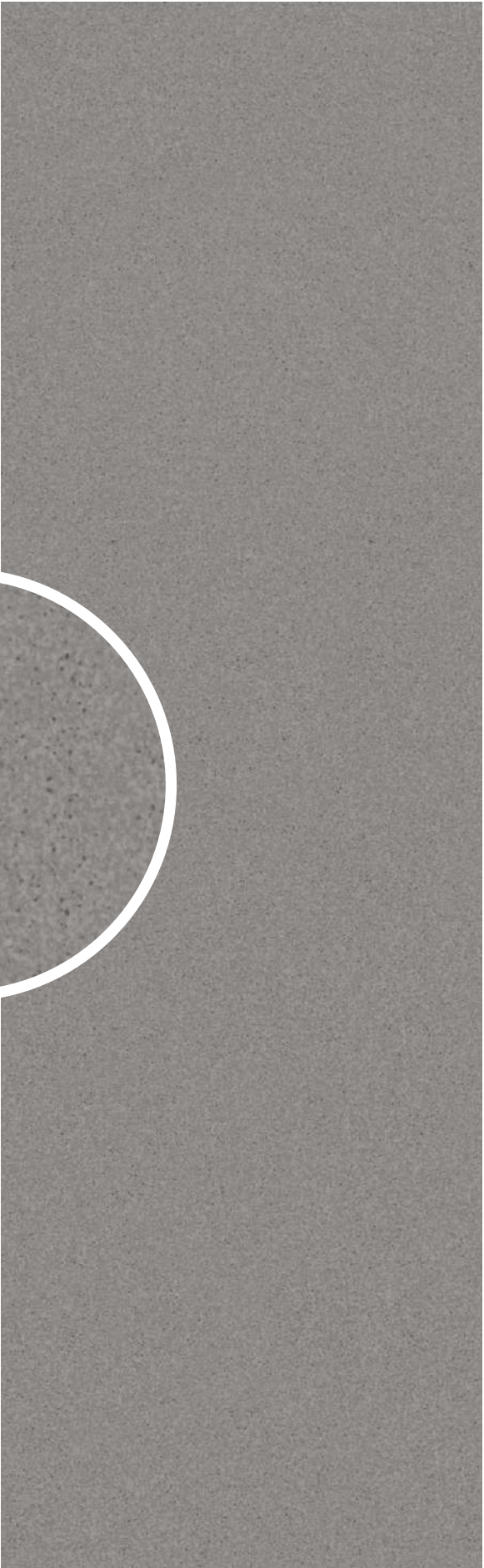
Matt (Basic) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

GRANY GREY

FULL BODY





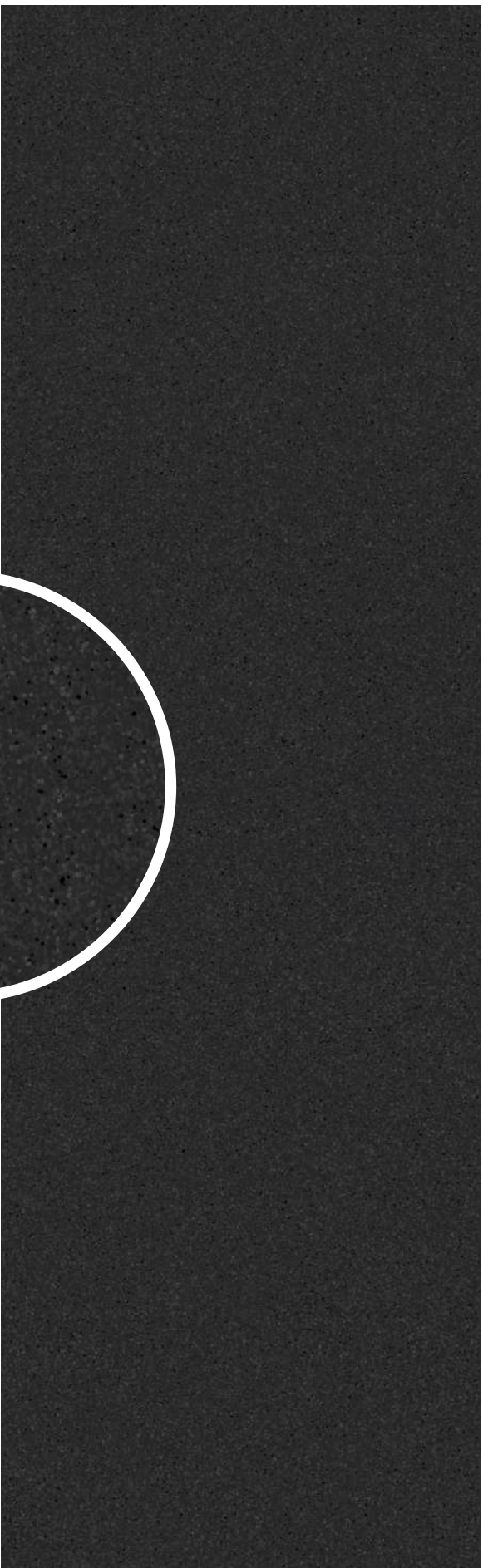
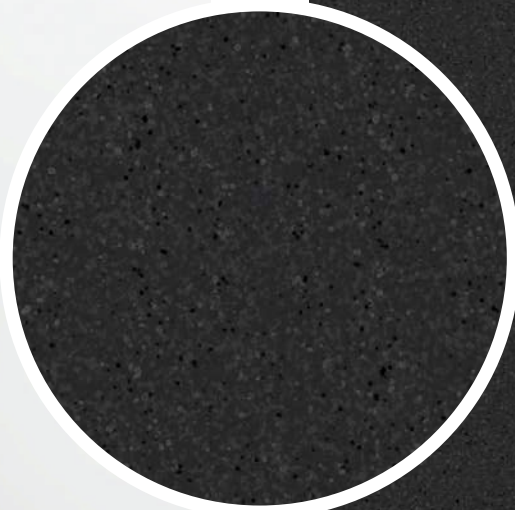
Polished (Special) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

GRANY BLACK

FULL BODY





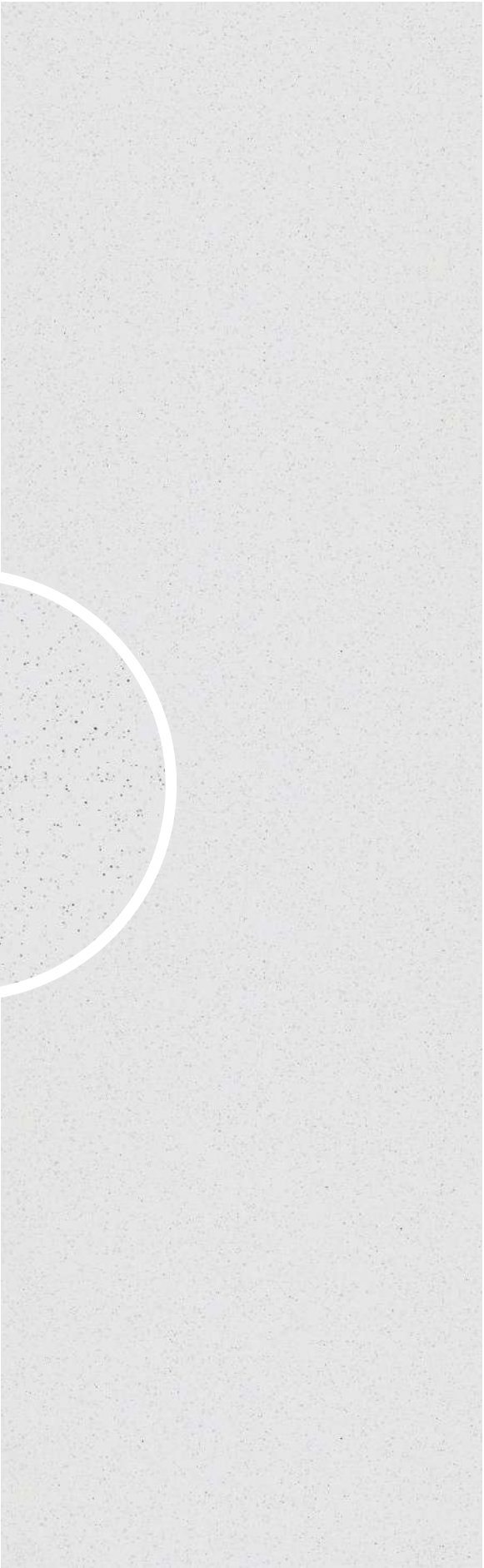
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BACK TO INDEX 

italica  
INNOVATING TRENDS

GRANY WHITE

FULL BODY





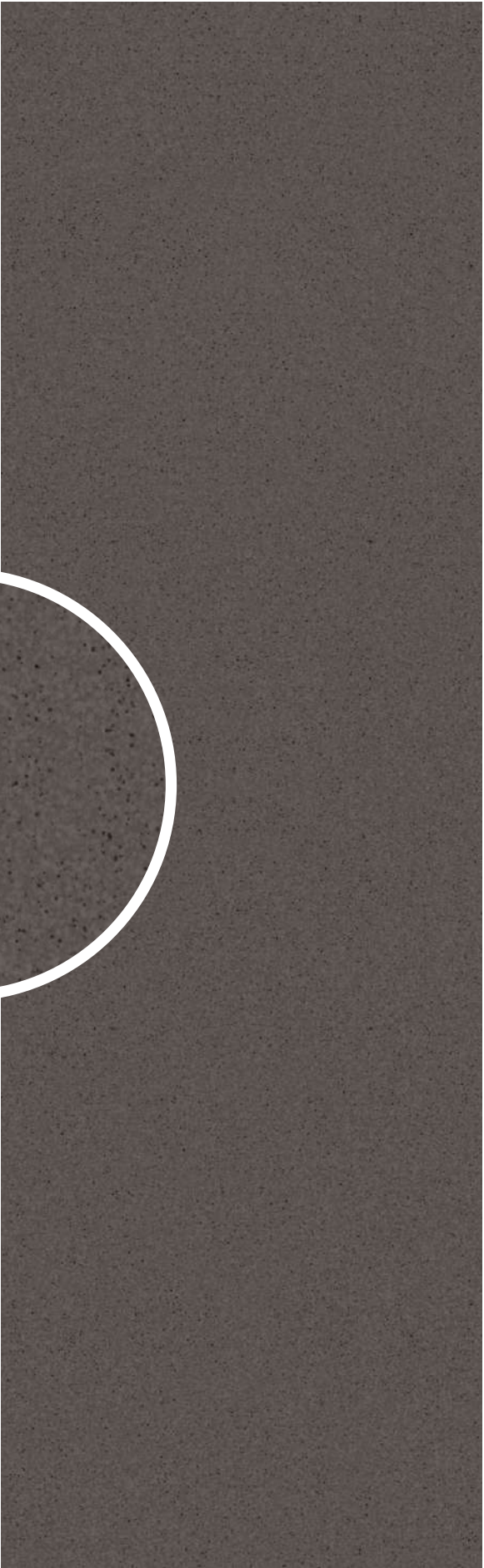
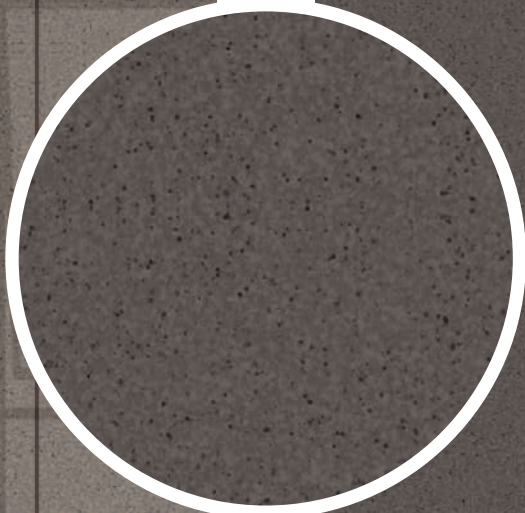
Polished (Special) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

GRANY WALNUT

FULL BODY





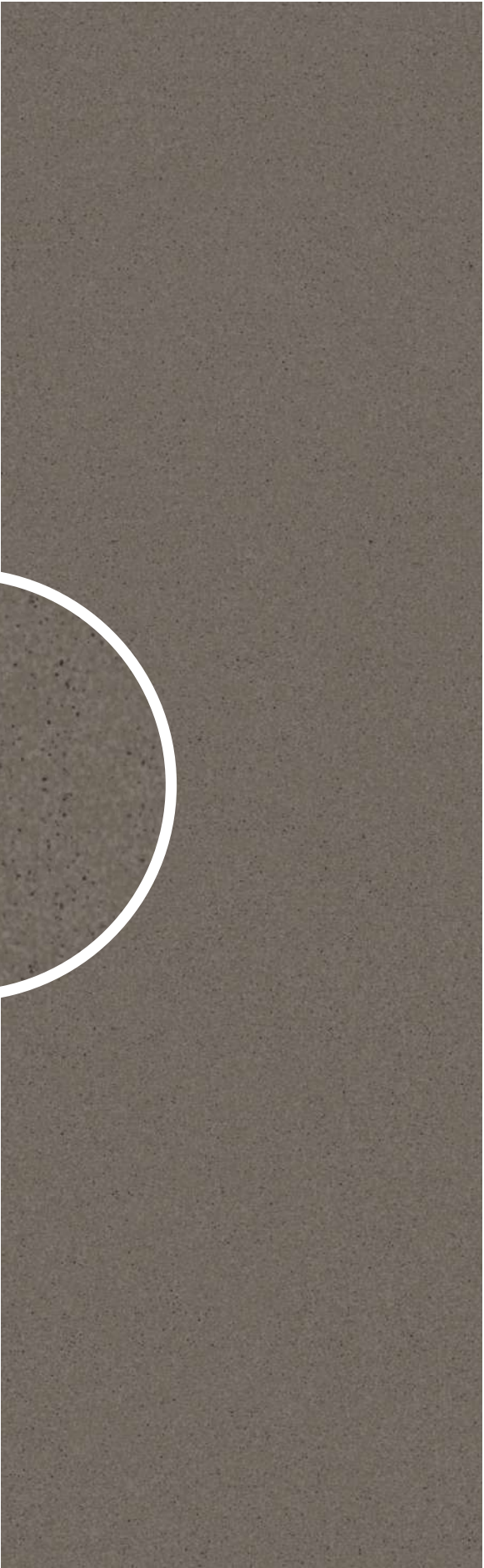
Polished (Basic) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

GRANY CARAMEL

FULL BODY





Polished (Basic) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

GRANY CREMA

FULL BODY



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Click here for 360 View 

15mm  
THICKNESS



Polished (Basic) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

GRANY GREY

FULL BODY







# FULLBODY

Elevate your surroundings with our 800x2400mm full-body tiles, 15mm thick. Experience seamless designs that reduce grout lines for easy maintenance. Ideal for high-traffic areas, these tiles offer enduring beauty and are perfect for floors, walls, and artistic installations. Redefine luxury with our full-body tiles.

**15mm** ↓  
THICKNESS ↑

FULLBODY

AVAILABLE IN :

**POLISHED | MATT**



Polished | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

ROYAL QUARTZ

FULL BODY





Matt (Basic) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

GRAPHITE GREY

FULL BODY





Matt (Basic) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

STEEL GREY

FULL BODY





Polished (Basic) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

GRAPHITE GREY

FULL BODY





Polished (Basic) | 800x2400mm

BACK TO INDEX 

STEEL GREY

FULL BODY





Polished (Special) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

BLACK

FULL BODY





Polished (Basic) | 800x2400mm

BACK TO INDEX 

WHITE

FULL BODY





# COLORBODY

Discover the perfect blend of style and durability with our 800x2400mm colorbody tiles, 15mm thick. These tiles offer seamless designs and reduced grout lines for easy maintenance. Ideal for high-traffic areas, they provide timeless beauty and are suitable for floors, walls, and artistic installations. Redefine your space with our colorbody tiles

**15mm** ↓  
THICKNESS ↑

COLOR-FULLBODY

AVAILABLE IN :

**POLISHED | MATT**



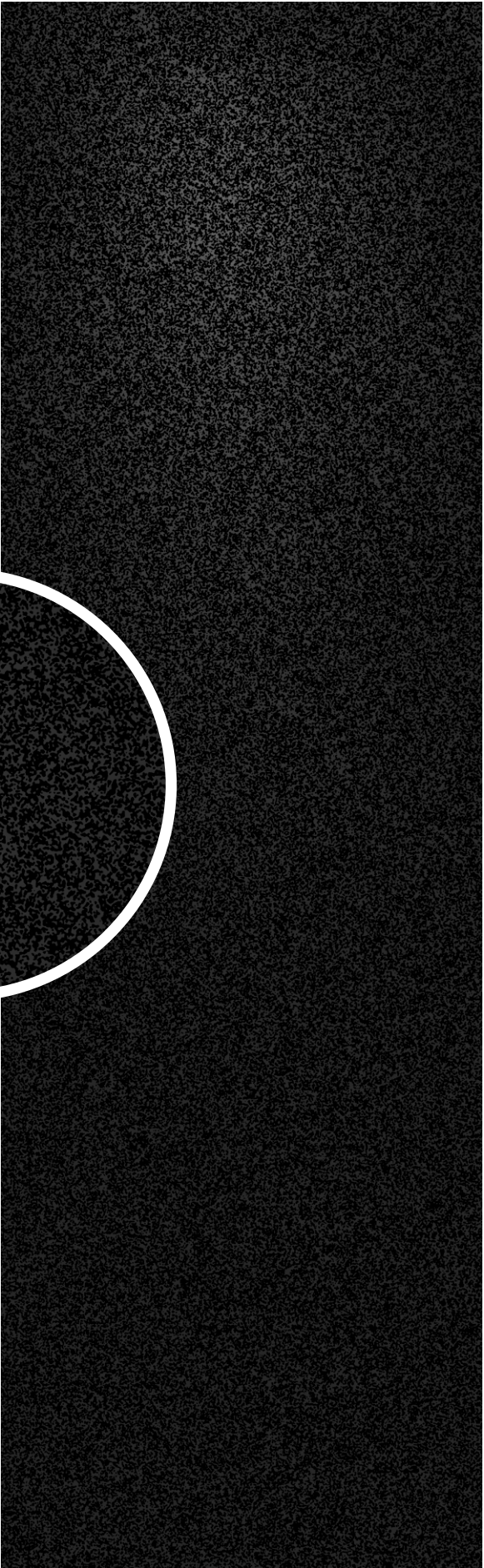
Matt (Special) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

GLITTY BLACK

COLORBODY





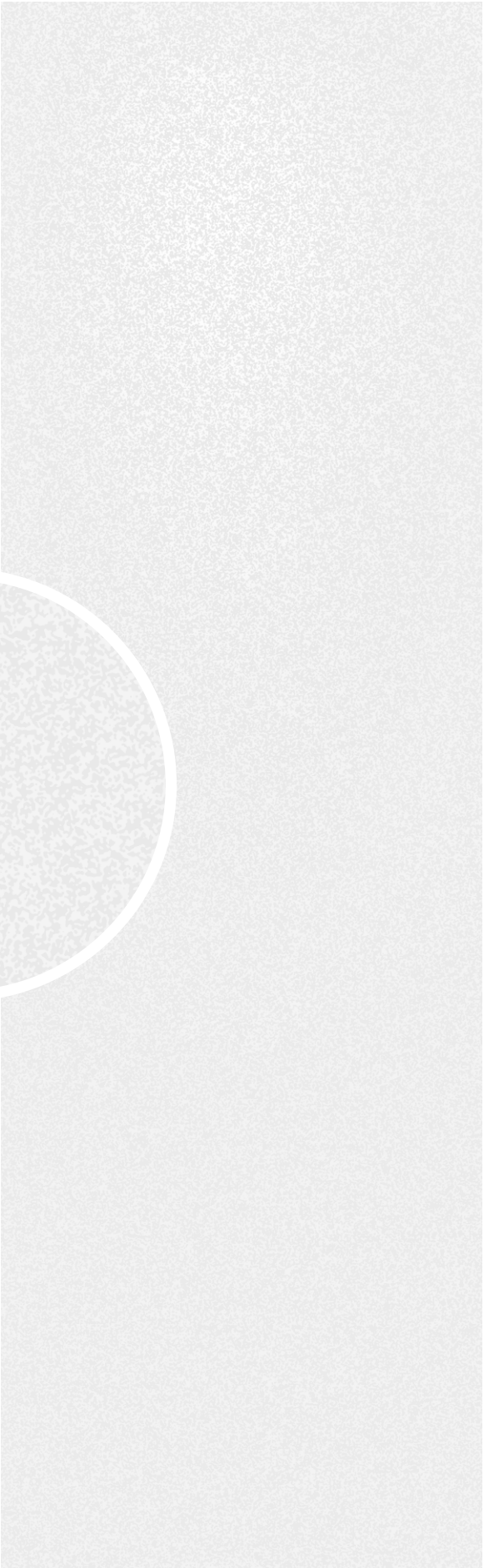
Matt (Basic) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

GLITTY WHITE

COLORBODY





Nutech | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

CRYSTAL WHITE

COLORBODY



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15mm  
THICKNESS



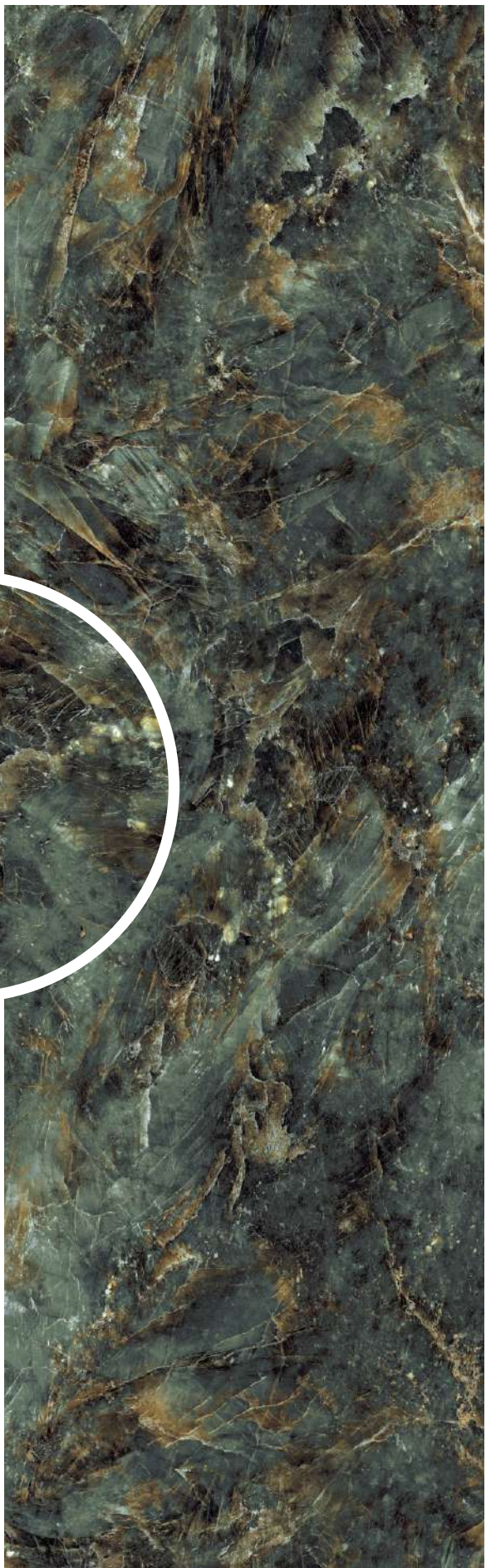
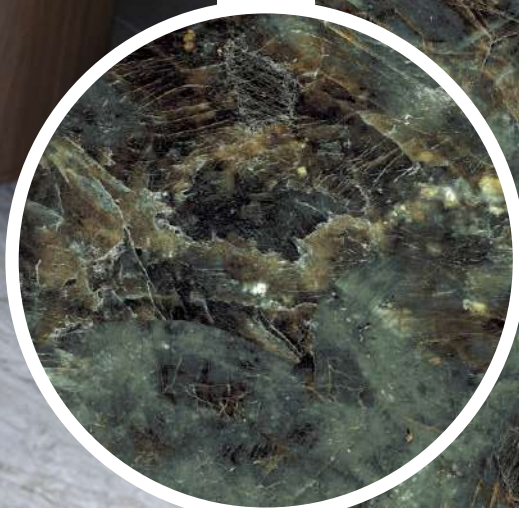
Polished (Special) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

LABRADORITE HUGE

COLORBODY



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Click here for 360 View 

15mm  
THICKNESS



Polished (Basic) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

SATUARIO YUKA

COLORBODY





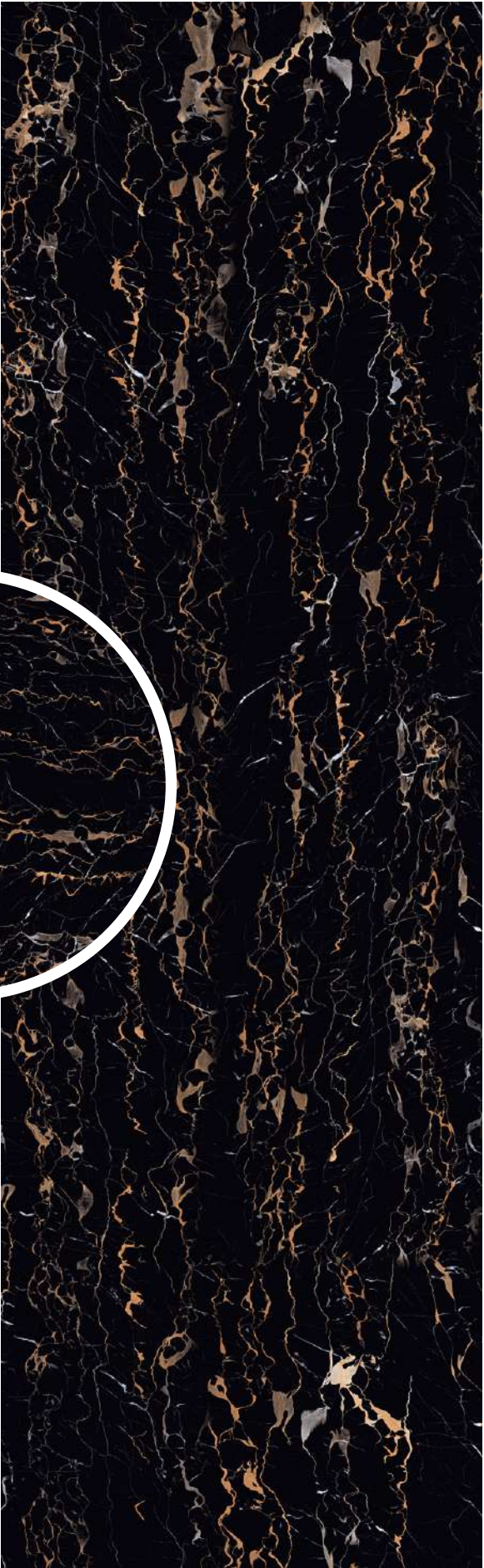
Polished (Special) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

PORTORO GOLD

COLORBODY





Polished (Basic) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

SATUARIO CANOVA

COLORBODY



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15mm  
THICKNESS



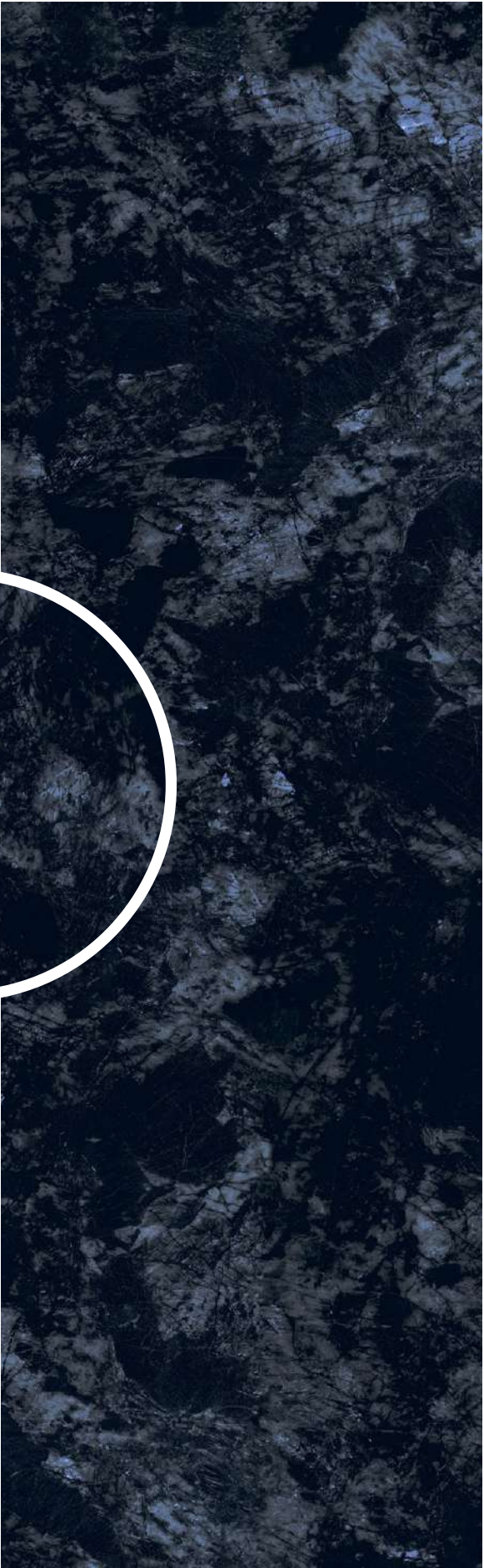
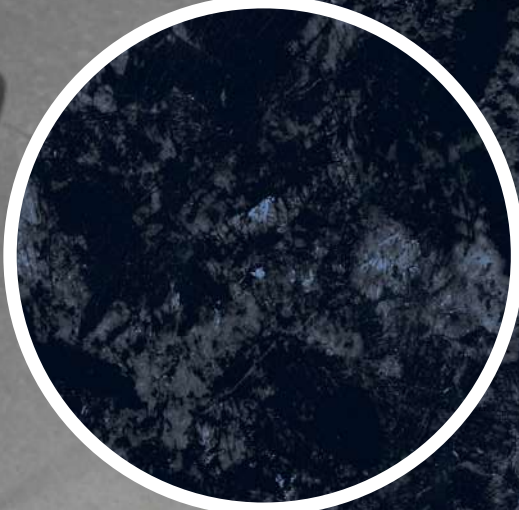
Polished (Special) | 800x2400mm

BACK TO INDEX 

italica  
INNOVATING TRENDS

VOLGA AZUL

COLORBODY



[www.italictiles.com](http://www.italictiles.com)

Click here for 360 View



15mm  
THICKNESS



# Technical Specification – SAGO SERIES

CHARACTERISTIC	STANDARD AS PER ISO13006:2018/ EN14411 Gr.Bla	STANDARD AS PER ISI5622:2017 Gr.Bla	MEAN VALUE OF ITALICA	TEST METHOD
Regulatory Properties				
Deviation in Length and Width	± 0.30% (± 1.00mm)	± 0.10 %	± 0.10 %	ISO 10545-2 & IS 13630-1
Deviation in Thickness	± 5.00% (± 0.50mm)	± 5.00 %	± 4.00 %	ISO 10545-2 & IS 13630-1
Straightness in Side	± 0.30% (± 0.80mm)	± 0.10 %	± 0.10 %	ISO 10545-2 & IS 13630-1
Rectangularity	± 0.30% (± 1.50mm)	± 0.10 %	± 0.10 %	ISO 10545-2 & IS 13630-1
Surface Flatness Central Curvature	± 0.40% (± 1.80mm)	± 0.50 %	± 0.20 %	ISO 10545-2 & IS 13630-1
Surface Flatness Edge Curvature	± 0.40% (± 1.80mm)	± 0.50 %	± 0.20 %	ISO 10545-2 & IS 13630-1
Surface Flatness Warpage	± 0.40% (± 1.80mm)	± 0.50 %	± 0.10 %	ISO 10545-2 & IS 13630-1
Surface Quality	> 95% defects free	> 95% defects free	> 95% defects free	ISO 10545-2 & IS 13630-1
Small Color Difference(for Plain Colour)	ΔE < 0.75	N.A.	ΔE < 0.30	ISO 10545-16
Glossiness(with nano polished)	as per mfg.	as per mfg.	>90**	Glossmeter 60°
Glossiness(without polished)	as per mfg.	as per mfg.	3" < GLOSS < 7"	Glossmeter 60°
Glossiness(Satin)	as per mfg.	as per mfg.	7" < GLOSS < 18"	Glossmeter 60°
Structural properties				
Water absorption	≤ 0.50%	≤ 0.080 %	≤ 0.060 %	ISO 10545-3 & IS 13630-2
Bulk density	as per mfg.	Min. 2.20 g/cc	> 2.28 gm/cc	DIN51082 & IS 13630-2
Massive Mechanical Properties				
Modulus of rupture	Min. 35.0 N/mm	Min. 35.0 N/mm	Min. 40.0 N/mm	ISO 10545-4 & IS 13630-6
Breaking Strength thickness < 7.5	Min. 700.0 N	Min. 700.0 N	Min. 1000.0 N	ISO 10545-4 & IS 13630-6
Breaking Strength thickness ≥ 7.5	Min. 1300.0 N	Min. 1300.0 N	Min. 1800.0 N	ISO 10545-4 & IS 13630-6
Breaking Strength thickness ≥ 7.5 (75mm)	Min. 1300.0 N	Min. 1300.0 N	Min. 5000.0 N	ISO 10545-4 & IS 13630-6
Surface Mechanical Properties				
MOH'S hardness #	as per mfg.	Min.5	Gloss -Min 4 / Matt-Min.6	BS EN 15771: 2010
Deep abrasion resistance	Max. 175mm	Max. 140mm <sup>2</sup>	Max. 132mm <sup>2</sup>	ISO 10545-6 & IS 13630-12
Thermal Hydrometric Properties				
Moisture expansion	Max. 0.06%(0.6mm/m)	Max. 0.02mm/m	Max. 0.02mm/m	ISO 10545 - 10 & IS 13630-3
Thermal expansion(COE) at 100°C	as per mfg.	Max. 6.0 X 10 <sup>6</sup>	Max. 6.0 X 10 <sup>6</sup>	ISO 10545 - 8 & IS 13630-4
Thermal shock resistance	Min. 10 Cycle	Min. 10 Cycle	Min. 10 Cycle	ISO 10545 - 9 & IS 13630-5
Impact resistance(COR)	Min. 0.55	Min. 0.55	Min. 0.55	ISO 10545 - 5 & IS 13630-14
Frost Resistance	as per mfg.	as per mfg.	Frost Proof	ISO 10545 - 12 & IS 13630-10
Chemical Properties				
Resistance to Staining glazed	Min. Class 3	Min. Class 2	Min. Class 4 / Min Class 2	ISO 10545 - 14 & IS 13630-8
Resistance to household chemicals & swimming pool salts glazed	Min. Class UB	as per mfg.	Min. Class UB/ Min. Class A	ISO 10545 - 13 & IS 13630-8
**Resistance to low concentrate acid and alkalis glazed	as per mfg.	as per mfg.	Min. Class ULB***/ Min Class A***	ISO 10545 - 13 & IS 13630-8
**Resistance to high concentrate acid and alkalis glazed	as per mfg.	as per mfg.	Min. Class UHB**/ Min. Class A***	ISO 10545 - 13 & IS 13630-8
Safety Properties				
Skid resistance(DCOF-DRY) ##	as per mfg.	as per mfg.	Polished- <0.30/ Matt-> 0.40	ANSI/NFSIBI013-2012
Slip resistance (DCOF) (R VALUE) ##	as per mfg.	as per mfg.	R9 TO R13	DIN 51130
Fire resistance	as per mfg.	N.A.	Fire Proof	N.A.

\* Glossiness 90% with nano technology  
\*\*\*Except Hydrofluoric Acid & it's compound  
# Unglazed tiles intended for use on floor  
#As per customer requirement

Size	Thickness	No of Slab/Box	Weight/Box	Coverage Area
80x240 cm	1.5cm	1pcs.	67kg (Approx)	20.67 sq. ft (Approx)



# Technical Specification – FULL BODY

CHARACTERISTIC		STANDARD AS PER ISO13006:2018/ EN14411 Gr.Bla	MEAN VALUE OF ITALICA	TEST METHOD
Regulatory Properties				
Deviation in Length and Width		± 0.30% (± 1.00mm)	± 0.10 %	ISO 10545-2
Deviation in Thickness		± 5.00% (± 0.50mm)	± 5.00 %	ISO 10545-2
Straightness in Side		± 0.30% (± 0.80mm)	± 0.10 %	ISO 10545-2
Rectangularity		± 0.30% (± 1.50mm)	± 0.10 %	ISO 10545-2
Surface Flatness Central Curvature		± 0.40% (± 1.80mm)	± 0.50 %	ISO 10545-2
Surface Flatness Edge Curvature		± 0.40% (± 1.80mm)	± 0.50 %	ISO 10545-2
Surface Flatness Warpage		± 0.40% (± 1.80mm)	± 0.50 %	ISO 10545-2
Surface Quality		> 95% defacts free	> 95% defacts free	ISO 10545-2
Small Color Difference(for Plain Colour)		ΔE < 1.00	ΔE < 0.30	ISO 10545-16
Glossiness(Polished)		as per mfg.	Gloss Value > 90	Glossmeter 60°
Glossiness(Matt)		as per mfg.	3 < Gloss Value < 7	Glossmeter 60°
Glossiness(Posh/Satin)		as per mfg.	7 < Gloss Value < 18	Glossmeter 60°
Water absorption		≤ 0.50%	≤ 0.060 %	ISO 10545-3
Bulk density		as pr mfg.	Min. 2.28 g/cc	ISO 10545-3
Modulus of rupture		Min. 35.0 N/mm <sup>2</sup>	Min. 42.0 N/mm <sup>2</sup>	ISO 10545-4
Breaking Strength thickness < 7.5		Min. 700.0 N	Min. 1000.0 N	ISO 10545-4
Breaking Strength thickness ≥ 7.5		Min. 1300.0 N	Min. 1800.0 N	ISO 10545-4
Breaking Strength thickness ≥ 7.5 mm		Min. 1300.0 N	Min. 7500.0 N	ISO 10545-4
MOH'S hardness #		as per mfg.	Glossy Min. 4* / Posh Min.6	BS EN 15771
Surface abrasion resistance #		as per mfg.	Glossy Min. 2 / Posh Min.3	ISO 10545-7
Deep abrasion resistance #		Max. 175 mm <sup>3</sup>	Max. 132 mm <sup>3</sup>	ISO 10545-6
Moisture expansion		Max. 0.06%(0.6mm/m)	Max. 0.02mm/m	ISO 10545 - 10
Thermal expansion(COE) at 100°C		as per mfg.	Max. 6.0 X 10 <sup>-6</sup>	ISO 10545 - 8
Thermal shock resistance		Min. 10 Cycle	Min. '0 Cycle	ISO 10545 - 9
Impact resistance(COR) #		Min. 0.55	Min. 0.55	ISO 10545 - 5
Frost Resistance		as per mfg.	Frost Proof	ISO 10545 - 12
Resistance to Staining glazed		Min. Class 3	Min. Class 4	ISO 10545 - 14
Resistance to household chemicals & swimming pool salts glazed		Min. Class GB	Min. Class GA	ISO 10545 - 13
Resistance to low concentrate acid and alkalis glazed		as per mfg.	Min. Class GLB**	ISO 10545 - 13
Resistance to high concentrate acid and alkalis glazed		as per mfg.	Min. Class GHB**	ISO 10545 - 13
Skid resistance(DCOF-DRY) ##		as per mfg.	Glossy PO(< <sup>12</sup> ) / Posh ≥P'( <sup>12,2</sup> 4)	BS 7976-2
Slip resistance(DCOF) (R VALUE) ##		as per mfg.	R9 TO R13	DIN 51130
Fire resistance		as per mfg.	Fire Proof	N.A.

\* Glossiness 90% with nano technology  
\*\*\*Except Hydrofluoric Acid & it's compound  
# Unglazed tiles intended for use on floor  
#As per customer requirement

Size	Thickness	No of Slab/Box	Weight/Box	Coverage Area
80x240 cm	1.5cm	1pcs.	67kg (Approx)	20.67 sq. ft (Approx)



Technical Specification – COLOR BODY

CHARACTERISTIC	STANDARD AS PER ISO13006:2018/ EN14411 Gr.Bla	STANDARD AS PER ISI5622:2017 Gr.Bla	MEAN VALUE OF ITALICA	TEST METHOD
Regulatory Properties				
Deviation in Length and Width	± 0.30% (± 1.00mm)	± 0.10 %	± 0.10 %	ISO 10545-2 & IS 13630-1
Deviation in Thickness	± 5.00% (± 0.50mm)	± 5.00 %	± 4.00 %	ISO 10545-2 & IS 13630-1
Straightness in Side	± 0.30% (± 0.80mm)	± 0.10 %	± 0.10 %	ISO 10545-2 & IS 13630-1
Rectangularity	± 0.30% (± 1.50mm)	± 0.10 %	± 0.10 %	ISO 10545-2 & IS 13630-1
Surface Flatness Central Curvature	± 0.40% (± 1.80mm)	± 0.50 %	± 0.20 %	ISO 10545-2 & IS 13630-1
Surface Flatness Edge Curvature	± 0.40% (± 1.80mm)	± 0.50 %	± 0.20 %	ISO 10545-2 & IS 13630-1
Surface Flatness Warpage	± 0.40% (± 1.80mm)	± 0.50 %	± 0.10 %	ISO 10545-2 & IS 13630-1
Surface Quality	> 95% defects free	> 95% defects free	> 95% defects free	ISO 10545-2 & IS 13630-1
Small Color Difference(for Plain Colour)	ΔE < 0.75	N.A.	ΔE < 0.30	ISO 10545-16
Glossiness(Polished)	as per mfg.	as per mfg.	>90**	Glossmeter 60°
Glossiness(Satin)	as per mfg.	as per mfg.	7<62955	Glossmeter 60°
Structural properties				
Water absorption	≤ 0.50%	≤ 0.080 %	≤ 0.080 %	ISO 10545-3 & IS 13630-2
Bulk density	as per mfg.	Min. 2.20 g/cc	> 2.28 gm/cc	DIN51082 & IS 13630-2
Massive Mechanical Properties				
Modulus of rupture	Min. 35.0 N/mm <sup>2</sup>	Min. 35.0 N/mm <sup>2</sup>	Min. 40.0 N/mm <sup>2</sup>	ISO 10545-4 & IS 13630-6
Breaking Strength thickness ≥ 7.5 mm	Min. 1300.0 N	Min. 1300.0 N	Min. 6000.0 N	ISO 10545-4 & IS 13630-6
Surface Mechanical Properties				
MOH'S hardness #	as per mfg.	Min.5	Polished-Min 4**/ Matt-Min.6	BS EN 15771/ IS 13630-13
Surface abrasion resistance #	as per mfg.	Min Class II	Polished-Min 1**/ Matt-Min. II	ISO 10545-7 & IS 13630-11
Thermal Hydrometric Properties				
Moisture expansion	Max. 0.06%(0.6mm/m)	Max. 0.02mm/m	Max. 0.02mm/m	ISO 10545 - 10 & IS 13630-3
Thermal expansion(COE) at 100°C	as per mfg.	Max. 6.0 X 10 <sup>6</sup>	Max. 6.0 X 10 <sup>6</sup>	ISO 10545 - 8 & IS 13630-4
Thermal shock resistance	Min. 10 Cycle	Min. 10 Cycle	Min. 10 Cycle	ISO 10545 - 9 & IS 13630-5
Impact resistance(COR) #	Min. 0.55	Min. 0.55	Min. 0.55	ISO 10545 - 5 & IS 13630-14
Frost Resistance	as per mfg.	as per mfg.	Frost Proof	ISO 10545 - 12 & IS 13630-10
Crazing Resistance at 7.5bar	4 Cycle	4 Cycle	4 Cycle	ISO 10545 - 11 & IS 13630-9
Chemical Properties				
Resistance to Staining glazed	Min. Class 3	Min. Class I	Min. Class / Min Class I	ISO 10545 - 14 & IS 13630-8
Resistance to household chemicals & swimming pool salts glazed	Min. Class UB	Min. Class AA	Min. Class Gb/ Min. Class AA	ISO 10545 - 13 & IS 13630-8
**Resistance to low concentrate acid and alkalis glazed	as per mfg.	as per mfg.	Min. Class GLB**/ Min Class A***	ISO 10545 - 13 & IS 13630-8
**Resistance to high concentrate acid and alkalis glazed	as per mfg.	as per mfg.	Min. Class GHB**/ Min. Class A***	ISO 10545 - 13 & IS 13630-8
Safety Properties				
Skid resistance(DCOF-WET PENDULLUM) ##	as per mfg.	as per mfg.	Glossy PO,Matt PI	ANSI/NFSIB1013-2012
Slip resistance Polished/Matt (DCOF) (R VALUE) ##	as per mfg.	as per mfg.	R9 TO R10	DIN 51130
Fire resistance	as per mfg.	N.A.	Does not yield Pb & Cd	N.A.

\* Whichever is Lower  
\*\* With nanotechnology (Polished Vitrified Tiles ) Depending on Application area (low or high intensity of traffic)  
\*\*\*Except Hydrofluoric Acid & it's compound  
# Tiles intended for use on floor  
#For Poor tiles , as per customer requirement

Size	Thickness	No of Slab/Box	Weight/Box	Coverage Area
80x240 cm	1.5cm	1pcs.	67kg (Approx)	20.67 sq. ft (Approx)



*Designed in*  
**ITALY** 





CORPORATE OFFICE & PLANT

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