

MAXIMUS

MEGA SLAB

RAK
CERAMICS

Rules are made to be broken...



Big Slabs for Big Ideas - How will you use yours?

We have created a world where big is beautiful, with visually expanded spaces, fewer design interruptions and endless possibilities.



135x305 cm
53"x120"

The design possibilities are endless.

Imagine a tiled space with virtually no grout lines.
Imagine a kitchen surface made from a single piece
of porcelain.

Imagine limitless possibilities and unparalleled
flexibility.

Maximus is available in 4 gigantic sizes:
135x305cm, 120x240cm, 120x120cm and
29x240cm.

120x240 cm
47"x94"

29x240 cm
11"x94"

120x120 cm
47"x47"



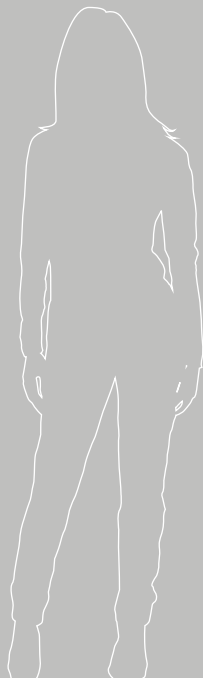
Unleash your imagination
and harness the power of Maximus.

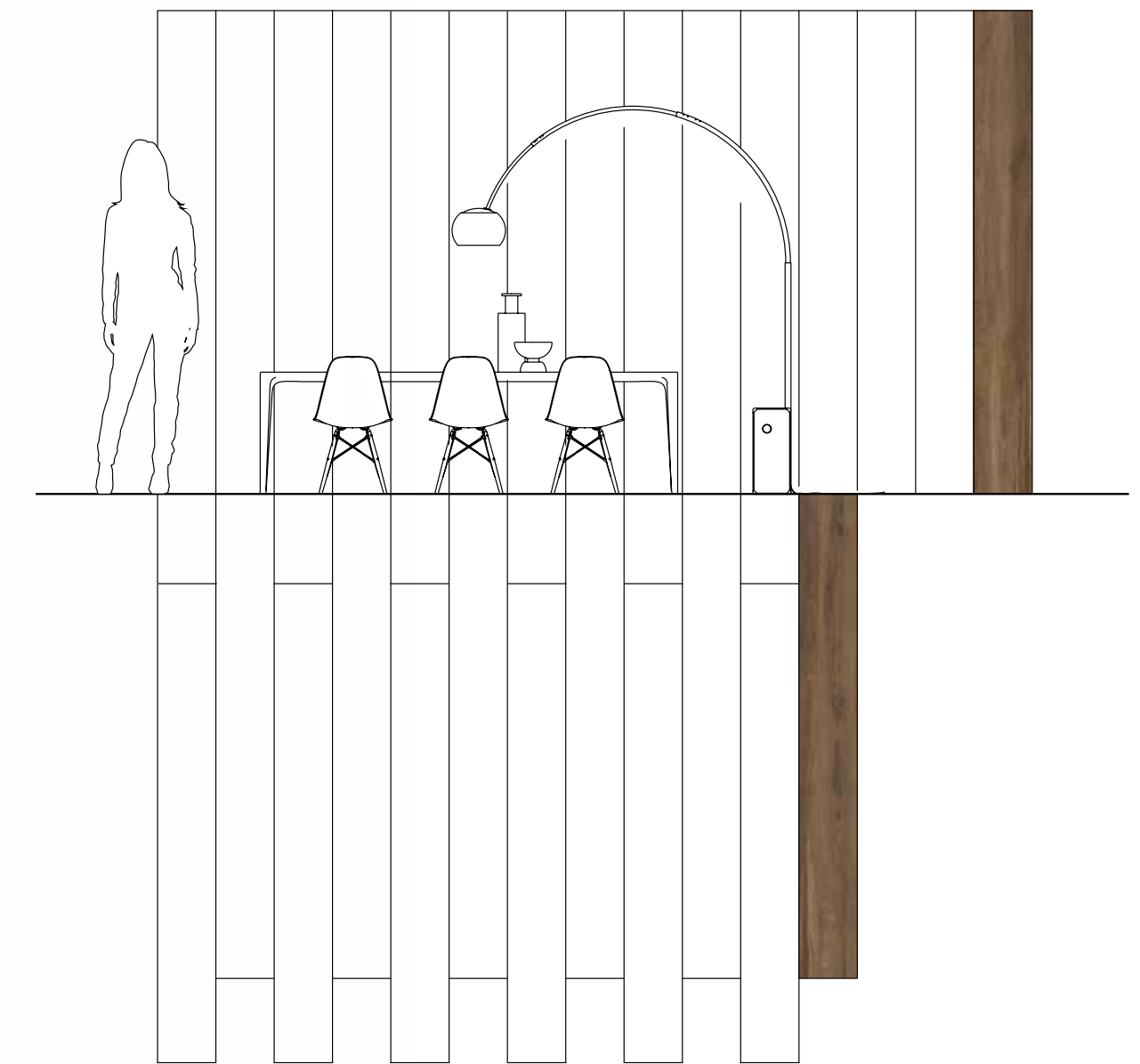
Total flexibility to suit every need. Maximus is available in 3 thicknesses:
6 mm, 12.5 mm and 14.5 mm

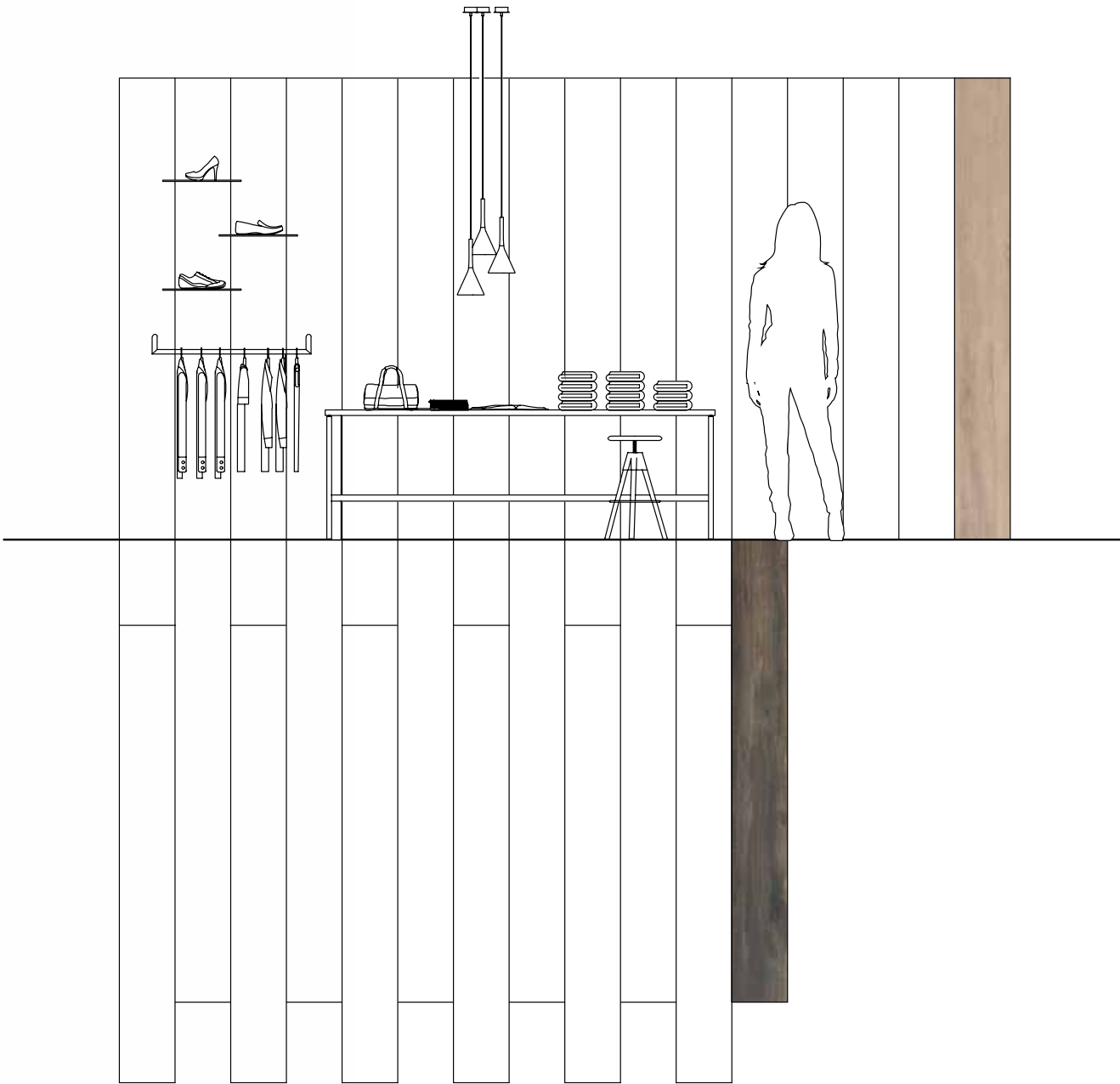


MAXIMUS
COLLECTION

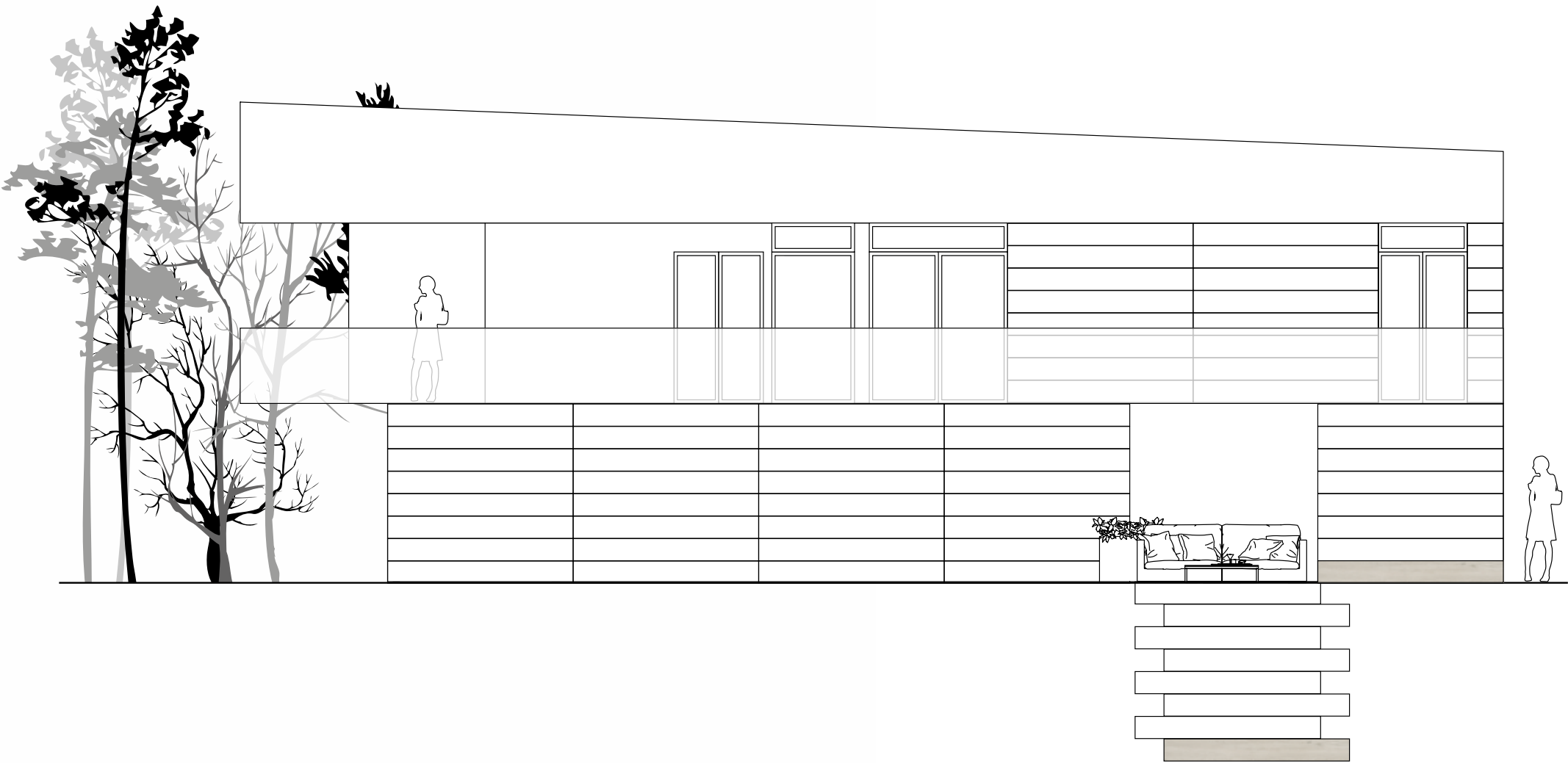
11	ANCHOR WOOD
23	CLASSIC
33	TOXO
39	TRAVERTINE
47	UNI
59	VOLCANO







Wall: **Anchor Wood** Crema Nut
Floor: **Anchor Wood** Anthracite





COLOUR		SIZE (cm / inches)	THICKNESS (mm)	CODE (Matt)
	Beige	29x240 / 11"x94"	12.5	A29GZAWD#BE0.M0C5R
	Brown	29x240 / 11"x94"	12.5	A29GZAWD#BR0.M0C5R
	Oak	29x240 / 11"x94"	12.5	A29GZAWD#OAK.M0C5R
	Nut	29x240 / 11"x94"	12.5	A29GZAWD#NU0.M0C5R
	Light Grey	29x240 / 11"x94"	12.5	A29GZAWD#LGY.M0C5R
	Anthracite	29x240 / 11"x94"	12.5	A29GZAWD#AN0.M0C5R

Anchor Wood Brown



Wall: **Anchor Wood** Light Grey, **Classic** Mariquina | Floor: **Anchor Wood** Nut

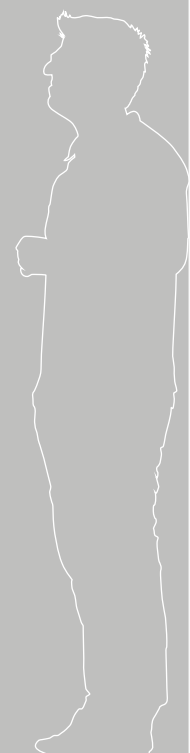


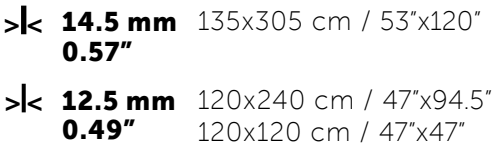
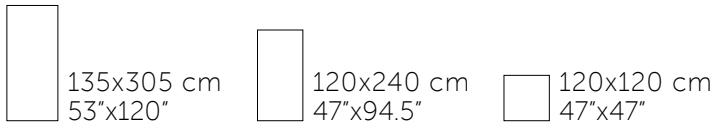
Facade: **Anchor Wood** Oak



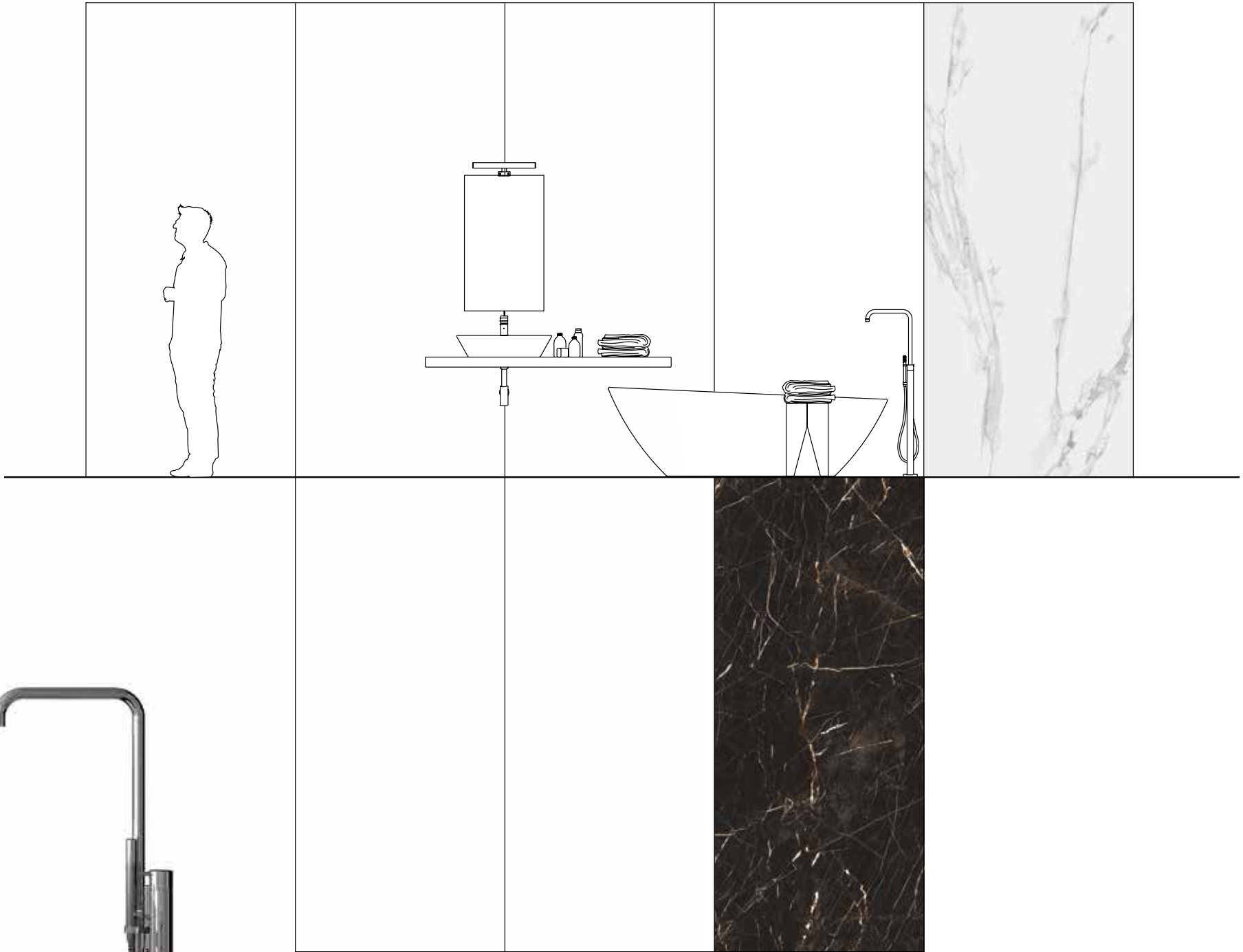
M A X I M I L I S
COLLECTION

11	ANCHOR WOOD
23	CLASSIC
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47	UNI
59	VOLCANO





Floor | Wall | Commercial | Facade |
Vanity Top | Counter Top | Table Top |



Wall: **Classic** Carrara
Floor: **Classic** Marquina

	135x305 cm 53"x120"		120x240 cm 47"x94.5"		120x120 cm 47"x47"
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	14.5 mm 0.57"	135x305 cm / 53"x120"
	12.5 mm 0.49"	120x240 cm / 47"x94.5" 120x120 cm / 47"x47"

Floor | Wall | Commercial | Facade |
Vanity Top | Counter Top | Table Top |



135x305 cm
53"x120"

120x240 cm
47"x94.5"

120x120 cm
47"x47"

>1/4

14.5 mm
0.57"

135x305 cm / 53"x120"

>1/4

12.5 mm
0.49"

120x240 cm / 47"x94.5"
120x120 cm / 47"x47"

Floor | Wall | Commercial | Facade |
Vanity Top | Counter Top | Table Top |



Onyx

Carrara

Fiorito

Flurry

COLOUR		SIZES (cm / inches)	THICKNESS (mm)	CODE (Polished)
	Onyx	135x305 / 53"x120"	14.5	A83GZONX-WH0.G0C2P
		120x240 / 47"x94.5"	12.5	A46GZONX-WH0.G0C5P
		120x120 / 47"x47"	12.5	A22GZONX-WH0.G0C5P
	Carrara	135x305 / 53"x120"	14.5	A83GZCRR-GY0.G0C2P
		120x240 / 47"x94.5"	12.5	A46GZCRR-GY0.G0C5P
		120x120 / 47"x47"	12.5	A22GZCRR-GY0.G0C5P
	Fiorito	135x305 / 53"x120"	14.5	A83GZFRT-BE0.G0C2P
		120x240 / 47"x94.5"	12.5	A46GZFRT-IV0.G0C5P
		120x120 / 47"x47"	12.5	A22GZFRT-BE0.G0C5P
	Flurry	135x305 / 53"x120"	14.5	A83GZFLU-GY0.G0C2P
		120x240 / 47"x94.5"	12.5	A46GZFLU-GY0.G0C5P
		120x120 / 47"x47"	12.5	A22GZFLU-GY0.G0C5P



Petra

Marmi Silica

Marfil

Marquina

COLOUR		SIZES (cm / inches)	THICKNESS (mm)	CODE (Polished)
	Petra	135x305 / 53"x120"	14.5	A83GZPTA-HBR.G0C2P
		120x240 / 47"x94.5"	12.5	A46GZPTA-HBR.G0C5P
		120x120 / 47"x47"	12.5	A22GZPTA-HBR.G0C5P
	Marmi Silica	135x305 / 53"x120"	14.5	A83GZMSL-DBR.G0C2P
		120x240 / 47"x94.5"	12.5	A46GZMSL-DBR.G0C5P
		120x120 / 47"x47"	12.5	A22GZMSL-DBR.G0C5P
	Marfil	135x305 / 53"x120"	14.5	A83GZMFL-BE0.G0C2P
		120x240 / 47"x94.5"	12.5	A46GZMFL-BE0.G0C5P
		120x120 / 47"x47"	12.5	A22GZMFL-BE0.G0C5P
	Marquina	135x305 / 53"x120"	14.5	A83GZMQA-BK0.G0C2P
		120x240 / 47"x94.5"	12.5	A46GZMQA-BK0.G0C5P
		120x120 / 47"x47"	12.5	A22GZMQA-BK0.G0C5P

 135x305 cm 53"x120"	 120x240 cm 47"x94.5"	 120x120 cm 47"x47"
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 14.5 mm 0.57" 135x305 cm / 53"x120"	 12.5 mm 0.49" 120x240 cm / 47"x94.5" 120x120 cm / 47"x47"
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Floor | Wall | Commercial | Facade |
Vanity Top | Counter Top | Table Top |

Wall: **Classic** Onyx

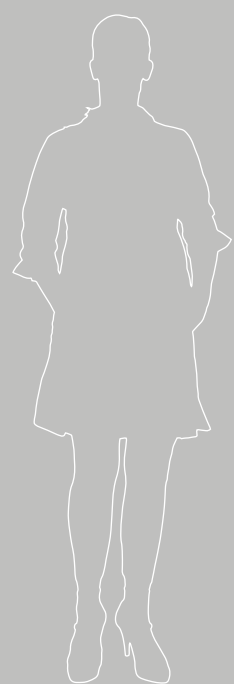


Wall: **Classic** Mariquina



MAXIMUS
COLLECTION

11	ANCHOR WOOD
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39	TRAVERTINE
47	UNI
59	VOLCANO







120x240 cm
47"x94.5"



120x120 cm
47"x47"

>|< 12.5 mm
0.49"

120x240 cm / 47"x94.5"
120x120 cm / 47"x47"

>|< 6 mm
0.24"

120x240 cm / 47"x94.5"

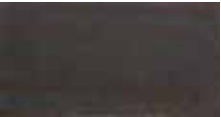
Floor | Wall | Commercial | Facade |
Vanity Top | Counter Top | Table Top |



Black

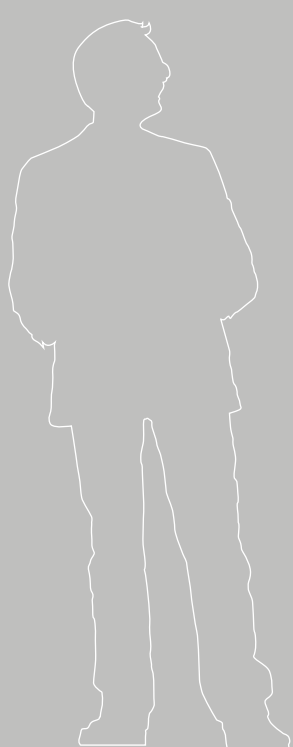
Facade: **Toxo** Black



COLOUR		SIZES (cm / inches)	THICKNESS (mm)	CODE (Matt)
	Black	120x240 / 47"x94.5"	6	A46GZTXO-BK0.T0C6R
		120x240 / 47"x94.5"	12.5	A46GZTXO-BK0.T0C5R
		120x120 / 47"x94.5"	12.5	A22GZTXO-BK0.T0C5R

MAXIMUS
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120x240 cm 47"x94.5"	120x120 cm 47"x47"	29x240 cm 11"x 94"
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> < 12.5 mm 0.49"	120x240 cm / 47"x94.5" 120x120 cm / 47"x47" 29x240 cm / 11"x94.5"
> < 6 mm 0.24"	120x240 cm / 47"x94.5"

Floor | Wall | Commercial | Facade |
Vanity Top | Counter Top | Table Top |

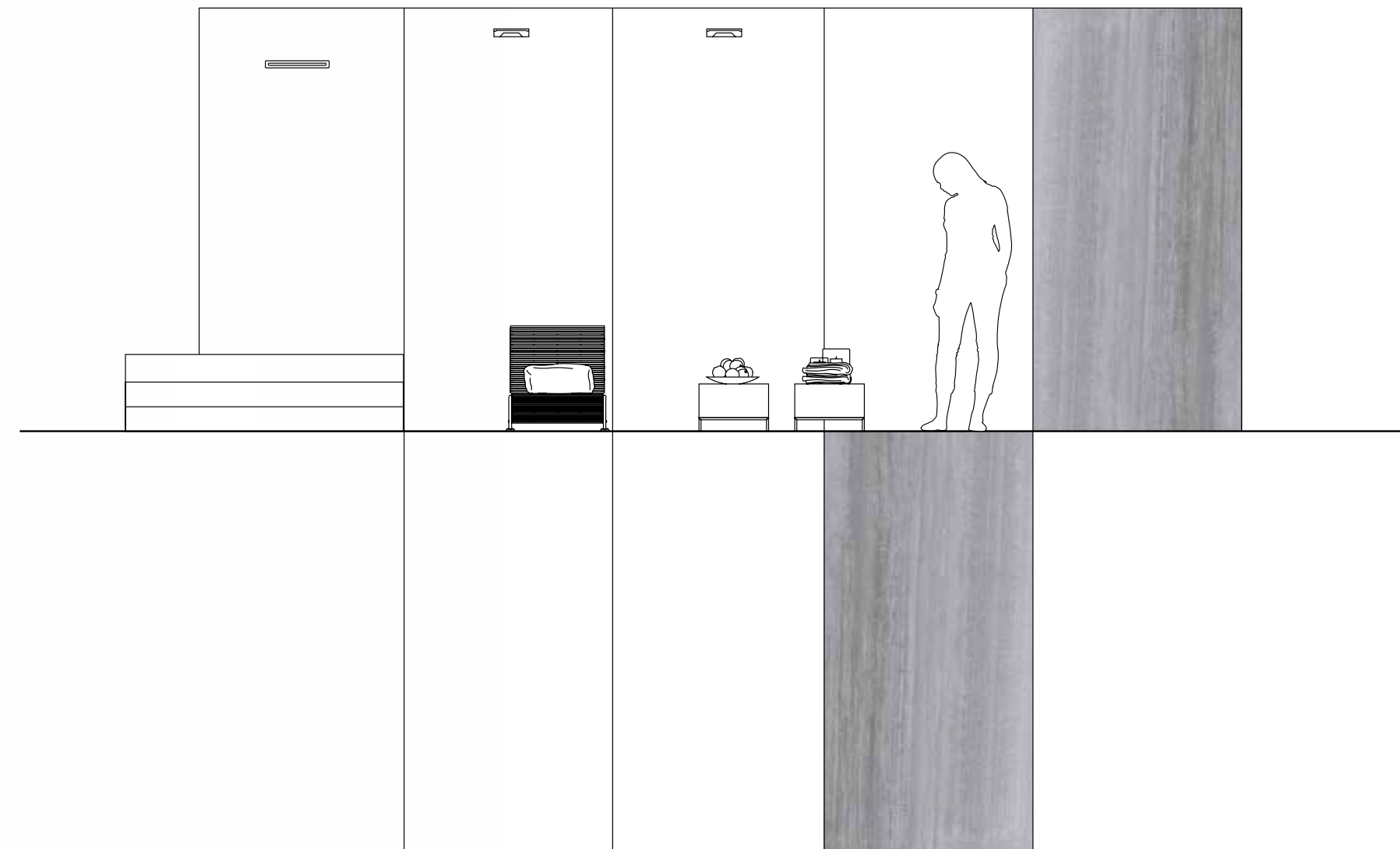
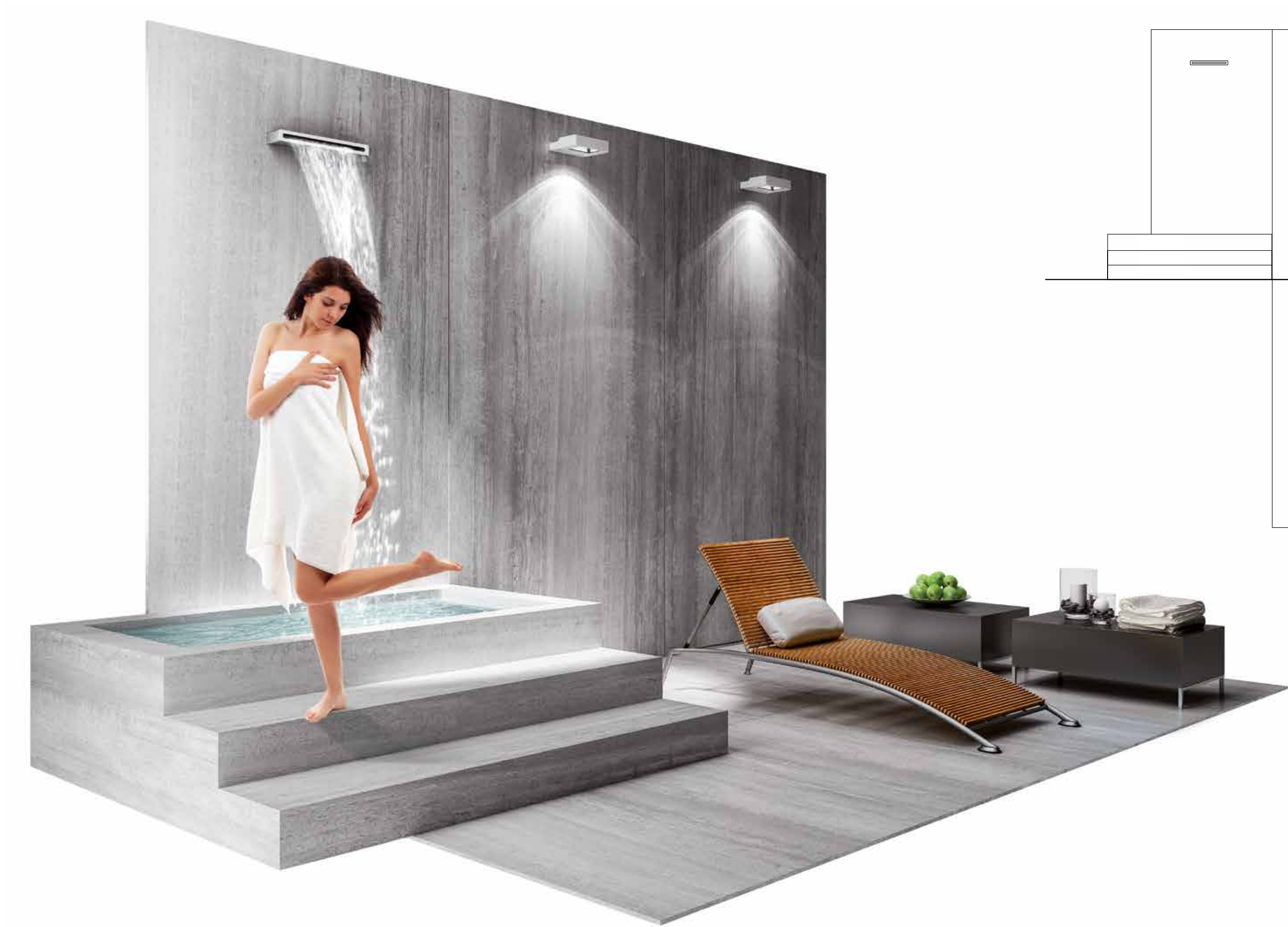


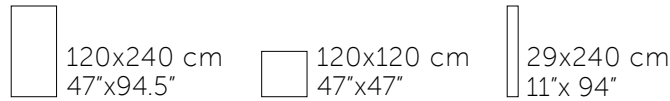
Wall: **Travertine** Dark Grey
Floor: **Travertine** Ivory

120x240 cm 47"x94.5"	120x120 cm 47"x47"	29x240 cm 11"x 94"
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> < 12.5 mm 0.49"	120x240 cm / 47"x94.5" 120x120 cm / 47"x47" 29x240 cm / 11"x94.5"
> < 6 mm 0.24"	120x240 cm / 47"x94.5"

Floor | Wall | Commercial | Facade |
Vanity Top | Counter Top | Table Top |





	12.5 mm 0.49"	120x240 cm / 47"x94.5"
		120x120 cm / 47"x47"
		29x240 cm / 11"x94.5"
	6 mm 0.24"	120x240 cm / 47"x94.5"

Floor | Wall | Commercial | Facade |
Vanity Top | Counter Top | Table Top |



Dark Grey

Ivory

Light Grey

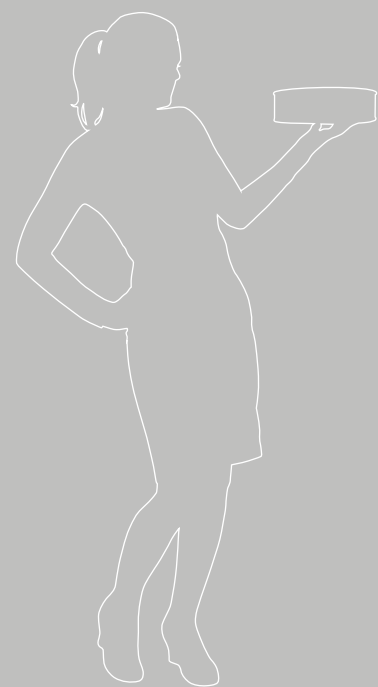
COLOUR		SIZES (cm / inches)	THICKNESS (mm)	CODE (Matt)
	Dark Grey	120x240 / 47"x94.5"	6	A46GZMTR-DGY.M0C6R
		120x240 / 47"x94.5"	12.5	A46GZMTR-DGY.M0C5R
		120x120 / 47"x47"	12.5	A22GZMTR#DGY.M0C5R
		29x240 cm / 11"x94.5"	12.5	A29GZMTR#DGY.M0C5R
	Ivory	120x240 / 47"x94.5"	6	A46GZMTR-IV0.M0C6R
		120x240 / 47"x94.5"	12.5	A46GZMTR-IV0.M0C5R
		120x120 / 47"x47"	12.5	A22GZMTR-IV0.M0C5R
		29x240 cm / 11"x94.5"	12.5	A29GZMTR#IV0.M0C5R
	Light Grey	120x240 / 47"x94.5"	6	A46GZMTR-LGY.M0C6R
		120x240 / 47"x94.5"	12.5	A46GZMTR-LGY.M0C5R
		120x120 / 47"x47"	12.5	A22GZMTR-LGY.M0C5R
		29x240 cm / 11"x94.5"	12.5	A29GZMTR#LGY.M0C5R

Wall: **Travertine Ivory** | Floor: **Travertine Light Grey**



MAXIMUS
COLLECTION

11	ANCHOR WOOD
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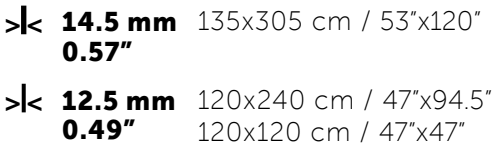
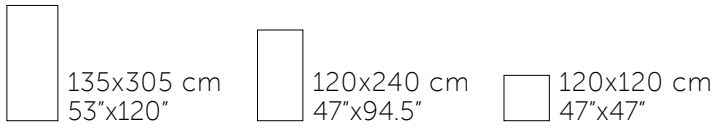


	135x305 cm 53"x120"		120x240 cm 47"x94.5"		120x120 cm 47"x47"
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	14.5 mm 0.57"	135x305 cm / 53"x120"
	12.5 mm 0.49"	120x240 cm / 47"x94.5" 120x120 cm / 47"x47"

Floor | Wall | Commercial | Facade |
Vanity Top | Counter Top | Table Top |





Floor | Wall | Commercial | Facade |
Vanity Top | Counter Top | Table Top |

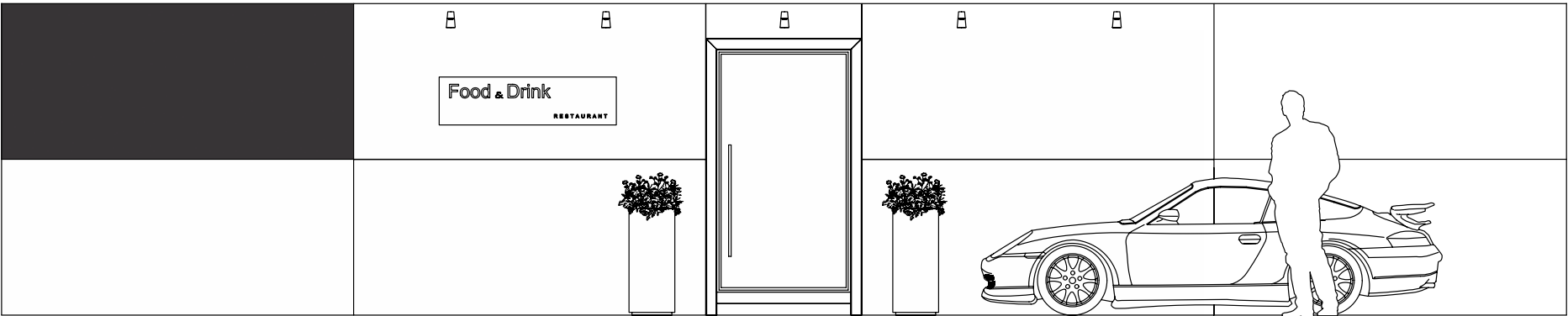


Wall: **Uni** Dark Blue
Floor: **Uni** Mega White
Table Top: **Uni** Dark Grey

 135x305 cm 53"x120"	 120x240 cm 47"x94.5"	 120x120 cm 47"x47"
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 14.5 mm 0.57" 135x305 cm / 53"x120"	 12.5 mm 0.49" 120x240 cm / 47"x94.5" 120x120 cm / 47"x47"
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Floor | Wall | Commercial | Facade |
Vanity Top | Counter Top | Table Top |



MAXIMUS
MEGA SLAB

COLLECTION

UNI

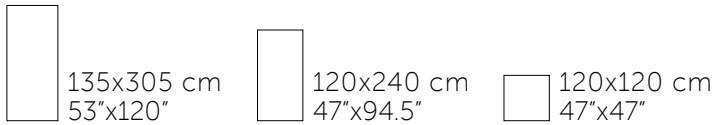
TYPOLOGY

Unglazed

FINISHES

Matt/Polished

SIZES

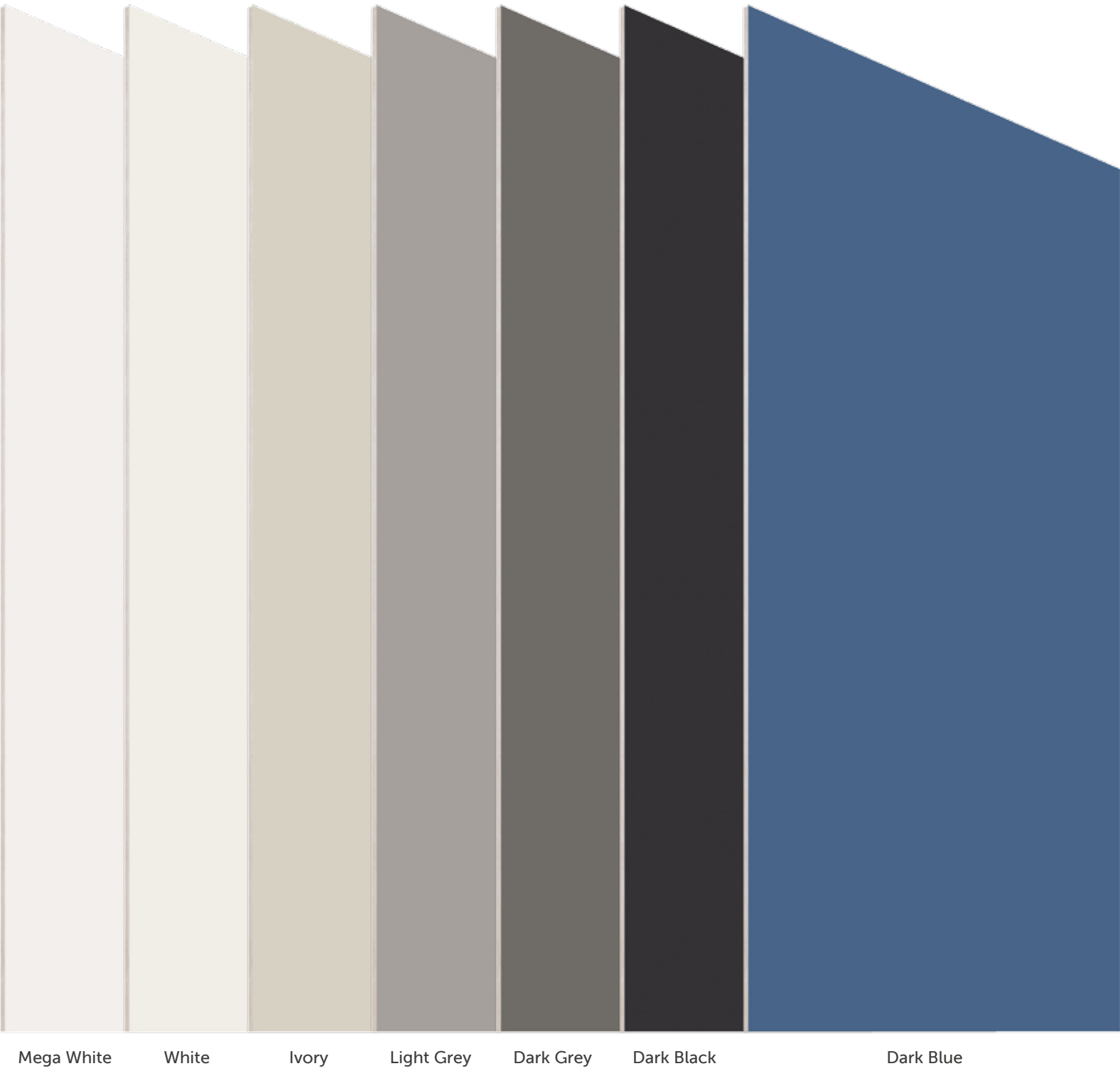


THICKNESS

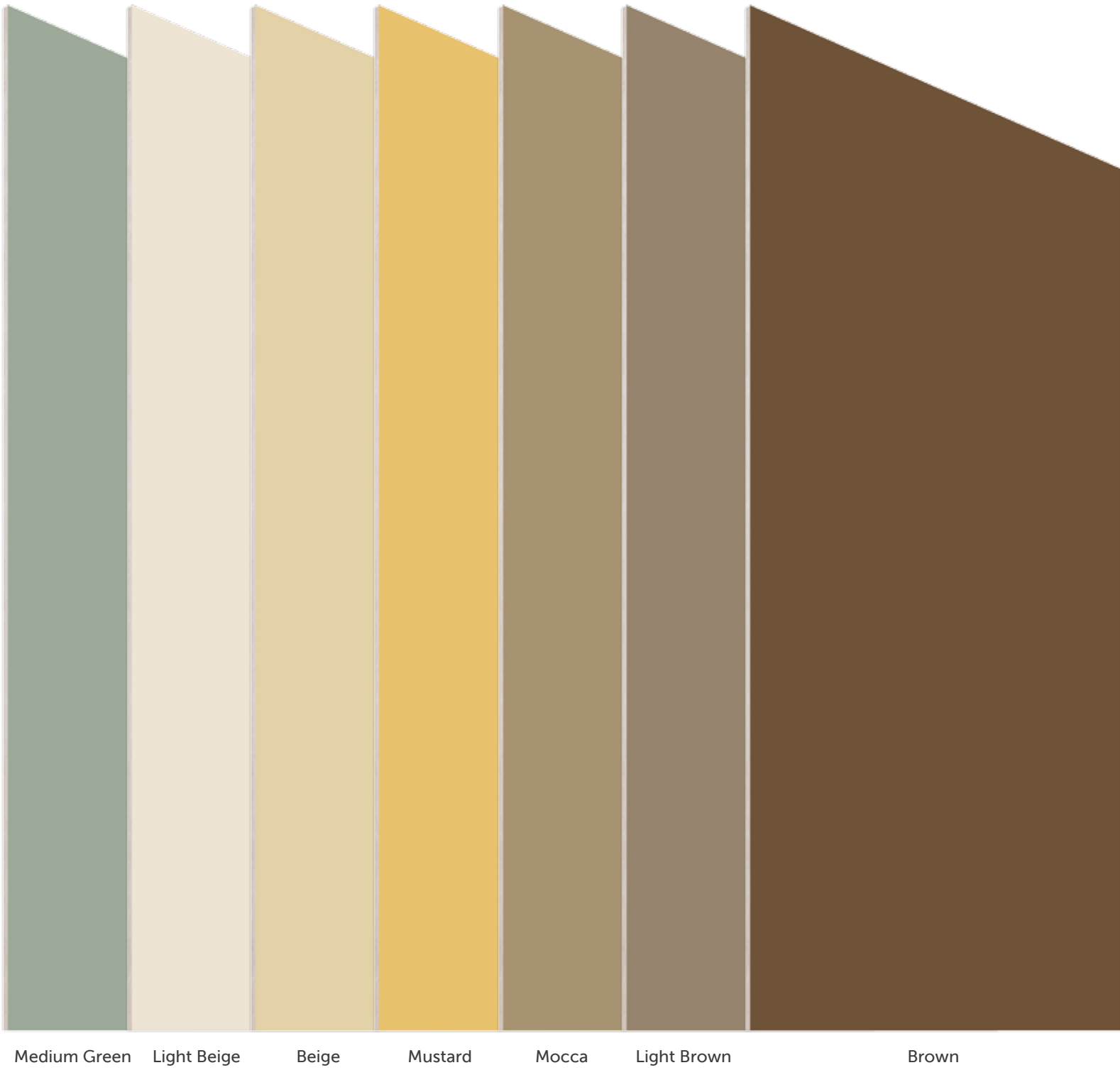
➤ 14.5 mm 135x305 cm / 53"x120"
0.57"
➤ 12.5 mm 120x240 cm / 47"x94.5"
0.49" 120x120 cm / 47"x47"

APPLICATIONS

Floor | Wall | Commercial | Facade |
Vanity Top | Counter Top | Table Top |



COLOUR		SIZES (cm / inches)	THICKNESS (mm)	CODE (Matt)	CODE (Polished)
	Mega White	135x305 / 53"x120"	14.5	A83GMAXI-MWH.M0C2R	A83GMAXI-MWH.X0C2P
		120x240 / 47"x94.5"	12.5	A46GMAXI-MWH.M0C5R	A46GMAXI-MWH.X0C5P
		120x120 / 47"x47"	12.5	A22GMAXI-MWH.M0C5R	A22GMAXI-MWH.X0C5P
	White	135x305 / 53"x120"	14.5	A83GMAXI-WH0.M0C2R	A83GMAXI-WH0.X0C2P
		120x240 / 47"x94.5"	12.5	A46GMAXI-WH0.M0C5R	A46GMAXI-WH0.X0C5P
		120x120 / 47"x47"	12.5	A22GMAXI-WH0.M0C5R	A22GMAXI-WH0.X0C5P
	Ivory	135x305 / 53"x120"	14.5	A83GMAXI-IV0.M0C2R	A83GMAXI-IV0.X0C2P
		120x240 / 47"x94.5"	12.5	A46GMAXI-IV0.M0C5R	A46GMAXI-IV0.X0C5P
		120x120 / 47"x47"	12.5	A22GMAXI-IV0.M0C5R	A22GMAXI-IV0.X0C5P
	Light Grey	135x305 / 53"x120"	14.5	A83GMAXI-LGY.M0C2R	A83GMAXI-LGY.X0C2P
		120x240 / 47"x94.5"	12.5	A46GMAXI-LGY.M0C5R	A46GMAXI-LGY.X0C5P
		120x120 / 47"x47"	12.5	A22GMAXI-LGY.M0C5R	A22GMAXI-LGY.X0C5P
	Dark Grey	135x305 / 53"x120"	14.5	A83GMAXI-DGY.M0C2R	A83GMAXI-DGY.X0C2P
		120x240 / 47"x94.5"	12.5	A46GMAXI-DGY.M0C5R	A46GMAXI-DGY.X0C5P
		120x120 / 47"x47"	12.5	A22GMAXI-DGY.M0C5R	A22GMAXI-DGY.X0C5P
	Dark Black	135x305 / 53"x120"	14.5	A83GMAXI-DBK.M0C2R	A83GMAXI-DBK.X0C2P
		120x240 / 47"x94.5"	12.5	A46GMAXI-DBK.M0C5R	A46GMAXI-DBK.X0C5P
		120x120 / 47"x47"	12.5	A22GMAXI-DBK.M0C5R	A22GMAXI-DBK.X0C5P
	Dark Blue	135x305 / 53"x120"	14.5	A83GMAXI-DBL.M0C2R	A83GMAXI-DBL.X0C2P
		120x240 / 47"x94.5"	12.5	A46GMAXI-DBL.M0C5R	A46GMAXI-DBL.X0C5P
		120x120 / 47"x47"	12.5	A22GMAXI-DBL.M0C5R	A22GMAXI-DBL.X0C5P



COLOUR		SIZES (cm / inches)	THICKNESS (mm)	CODE (Matt)	CODE (Polished)
	Medium Green	135x305 / 53"x120"	14.5	A83GMAXI-MGR.M0C2R	A83GMAXI-MGR.X0C2P
		120x240 / 47"x94.5"	12.5	A46GMAXI-MGR.M0C5R	A46GMAXI-MGR.X0C5P
		120x120 / 47"x47"	12.5	A22GMAXI-MGR.M0C5R	A22GMAXI-MGR.X0C5P
	Light Beige	135x305 / 53"x120"	14.5	A83GMAXI-LBE.M0C2R	A83GMAXI-LBE.X0C2P
		120x240 / 47"x94.5"	12.5	A46GMAXI-LBE.M0C5R	A46GMAXI-LBE.X0C5P
		120x120 / 47"x47"	12.5	A22GMAXI-LBE.M0C5R	A22GMAXI-LBE.X0C5P
	Beige	135x305 / 53"x120"	14.5	A83GMAXI-BE0.M0C2R	A83GMAXI-BE0.X0C2P
		120x240 / 47"x94.5"	12.5	A46GMAXI-BE0.M0C5R	A46GMAXI-BE0.X0C5P
		120x120 / 47"x47"	12.5	A22GMAXI-BE0.M0C5R	A22GMAXI-BE0.X0C5P
	Mustard	135x305 / 53"x120"	14.5	A83GMAXI-MU0.M0C2R	A83GMAXI-MU0.X0C2P
		120x240 / 47"x94.5"	12.5	A46GMAXI-MU0.M0C5R	A46GMAXI-MU0.X0C5P
		120x120 / 47"x47"	12.5	A22GMAXI-MU0.M0C5R	A22GMAXI-MU0.X0C5P
	Mocca	135x305 / 53"x120"	14.5	A83GMAXI-MOC.M0C2R	A83GMAXI-MOC.X0C2P
		120x240 / 47"x94.5"	12.5	A46GMAXI-MOC.M0C5R	A46GMAXI-MOC.X0C5P
		120x120 / 47"x47"	12.5	A22GMAXI-MOC.M0C5R	A22GMAXI-MOC.X0C5P
	Light Brown	135x305 / 53"x120"	14.5	A83GMAXI-LBR.M0C2R	A83GMAXI-LBR.X0C2P
		120x240 / 47"x94.5"	12.5	A46GMAXI-LBR.M0C5R	A46GMAXI-LBR.X0C5P
		120x120 / 47"x47"	12.5	A22GMAXI-LBR.M0C5R	A22GMAXI-LBR.X0C5P
	Brown	135x305 / 53"x120"	14.5	A83GMAXI-BR0.M0C2R	A83GMAXI-BR0.X0C2P
		120x240 / 47"x94.5"	12.5	A46GMAXI-BR0.M0C5R	A46GMAXI-BR0.X0C5P
		120x120 / 47"x47"	12.5	A22GMAXI-BR0.M0C5R	A22GMAXI-BR0.X0C5P

Wall: **Uni** Ivory | Floor: **Uni** Light Grey

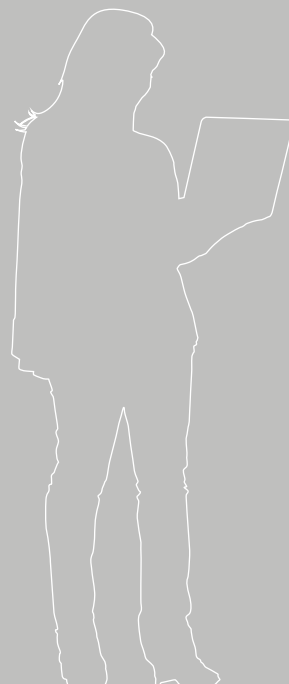


Wall: **Classic** Petra | Floor: **Uni** Ivory



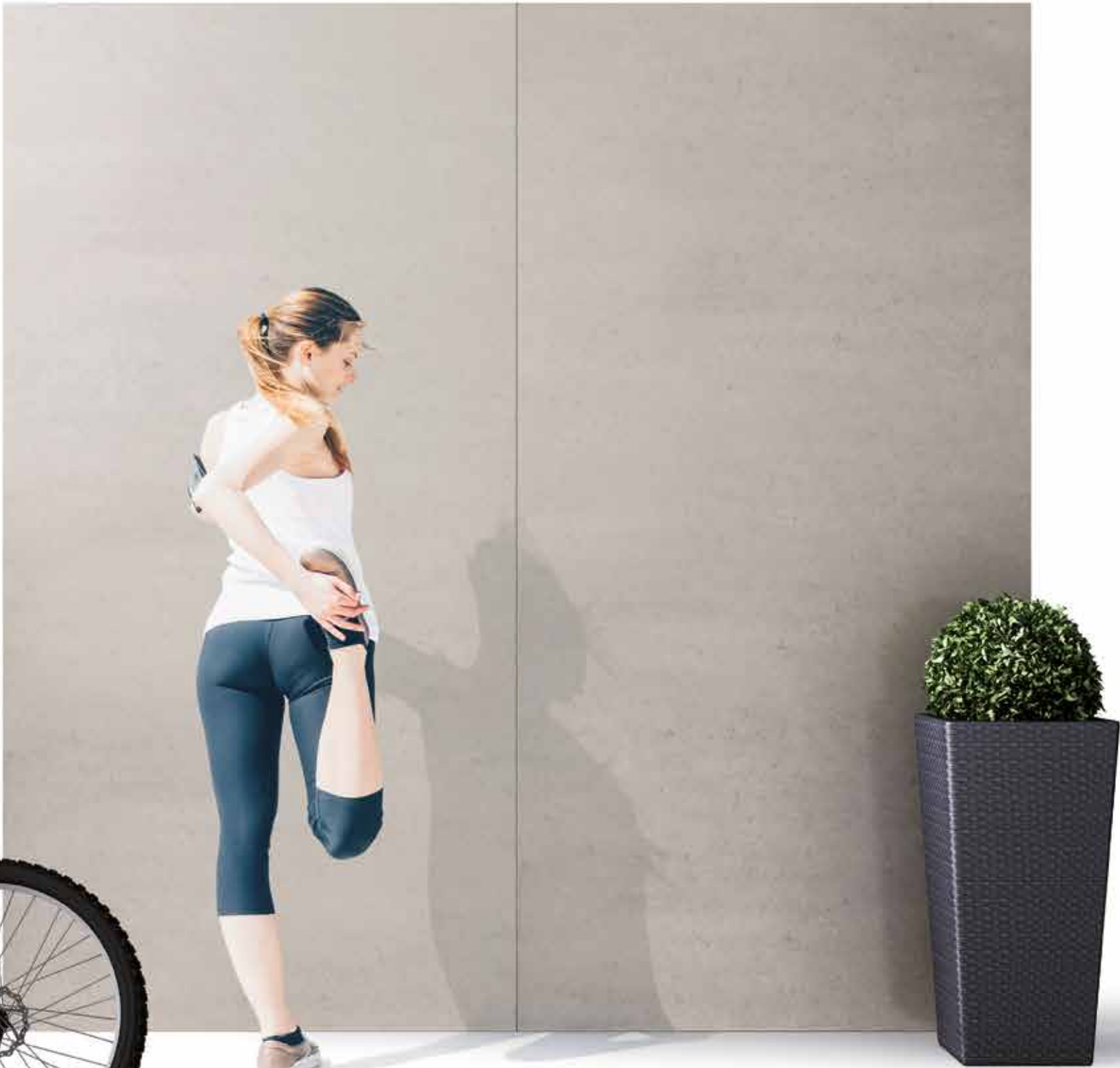
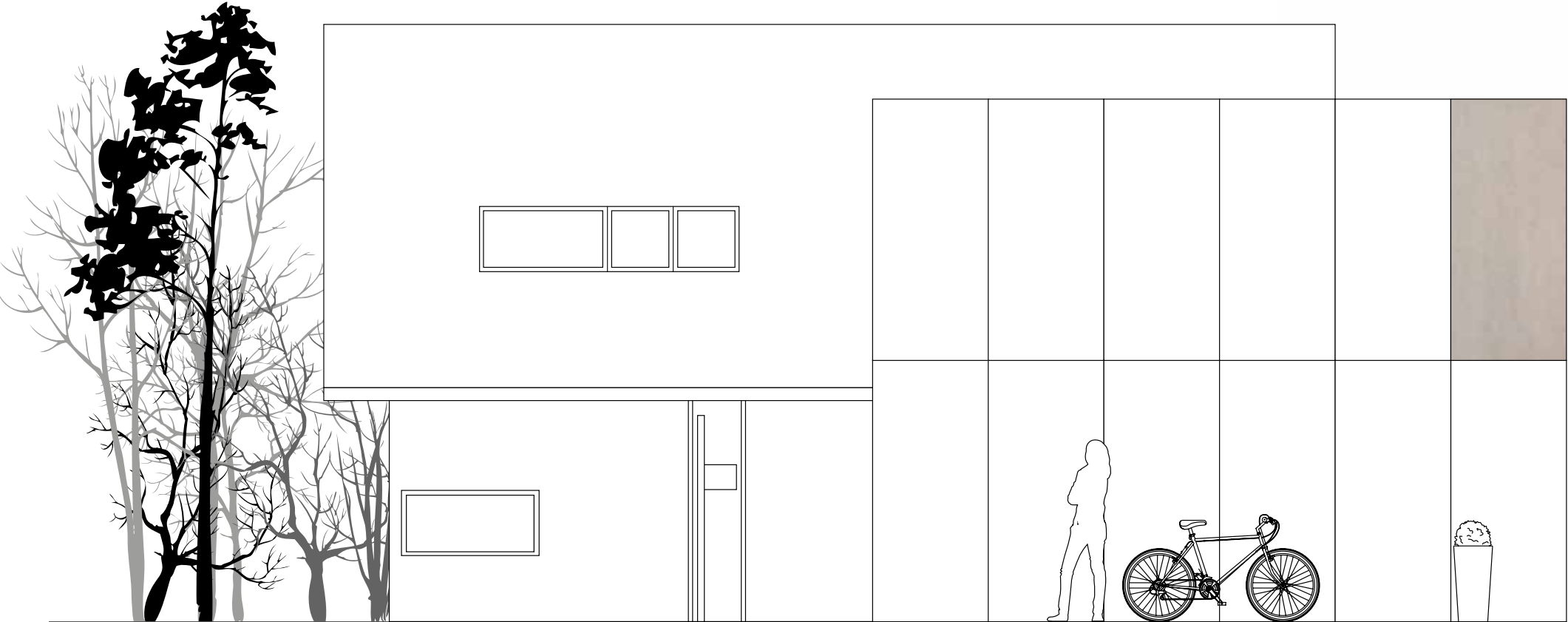
MAXIMUS
COLLECTION

11	ANCHOR WOOD
23	CLASSIC
33	TOXO
39	TRAVERTINE
47	UNI
59	VOLCANO





Wall: **Volcano** Brown
Floor: **Volcano** Dark Grey





Light Grey

Dark Grey

Brown Grey

Beige

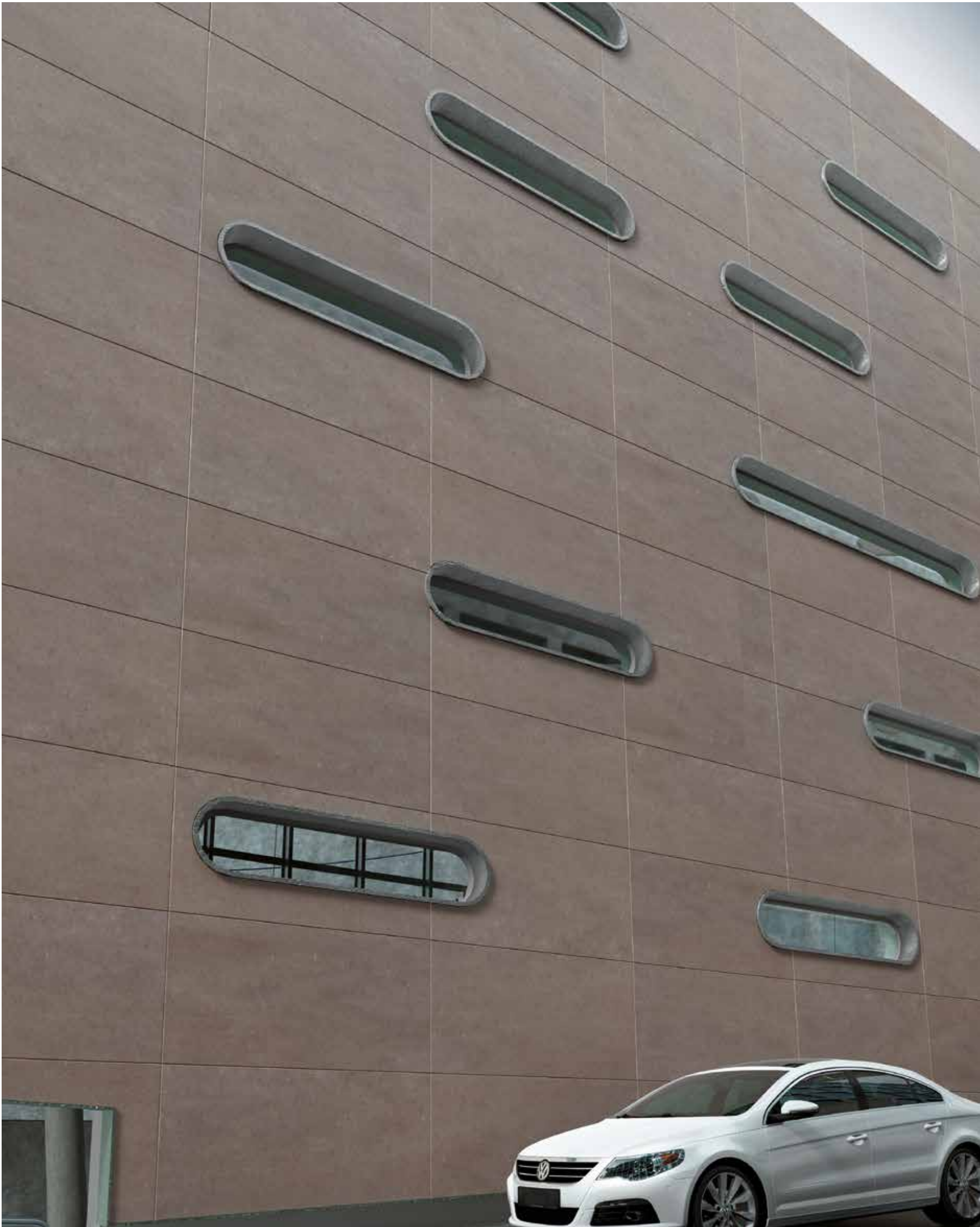
Brown

COLOUR		SIZES (cm / inches)	THICKNESS (mm)	CODE (Matt)	CODE (Polished)
	Light Grey	120x240 / 47"x94.5" 120x120 / 47"x47"	12.5	A46GVOLC-LGY.M0C5R A22GVOLC-LGY.M0C5R	A46GVOLC-LGY.X0C5P A22GVOLC-LGY.X0C5P
	Dark Grey	120x240 / 47"x94.5" 120x120 / 47"x47"	12.5	A46GVOLC-DGY.M0C5R A22GVOLC-DGY.M0C5R	A46GVOLC-DGY.X0C5P A22GVOLC-DGY.X0C5P
	Brown Grey	120x240 / 47"x94.5" 120x120 / 47"x47"	12.5	A46GVOLC-BRG.M0C5R A22GVOLC-BRG.M0C5R	A46GVOLC-BRG.X0C5P A22GVOLC-BRG.X0C5P
	Beige	120x240 / 47"x94.5" 120x120 / 47"x47"	12.5	A46GVOLC-BE0.M0C5R A22GVOLC-BE0.M0C5R	A46GVOLC-BE0.X0C5P A22GVOLC-BE0.X0C5P
	Brown	120x240 / 47"x94.5" 120x120 / 47"x47"	12.5	A46GVOLC-BR0.M0C5R A22GVOLC-BR0.M0C5R	A46GVOLC-BR0.X0C5P A22GVOLC-BR0.X0C5P

Wall: **Volcano** Light Grey | Floor: **Volcano** Brown



Facade: **Volcano** Brown



Wall: **Volcano** Light Grey | Floor: **Volcano** Dark Grey



Wall: **Volcano** Light Grey



Floor: **Anchor Wood** Anthracite

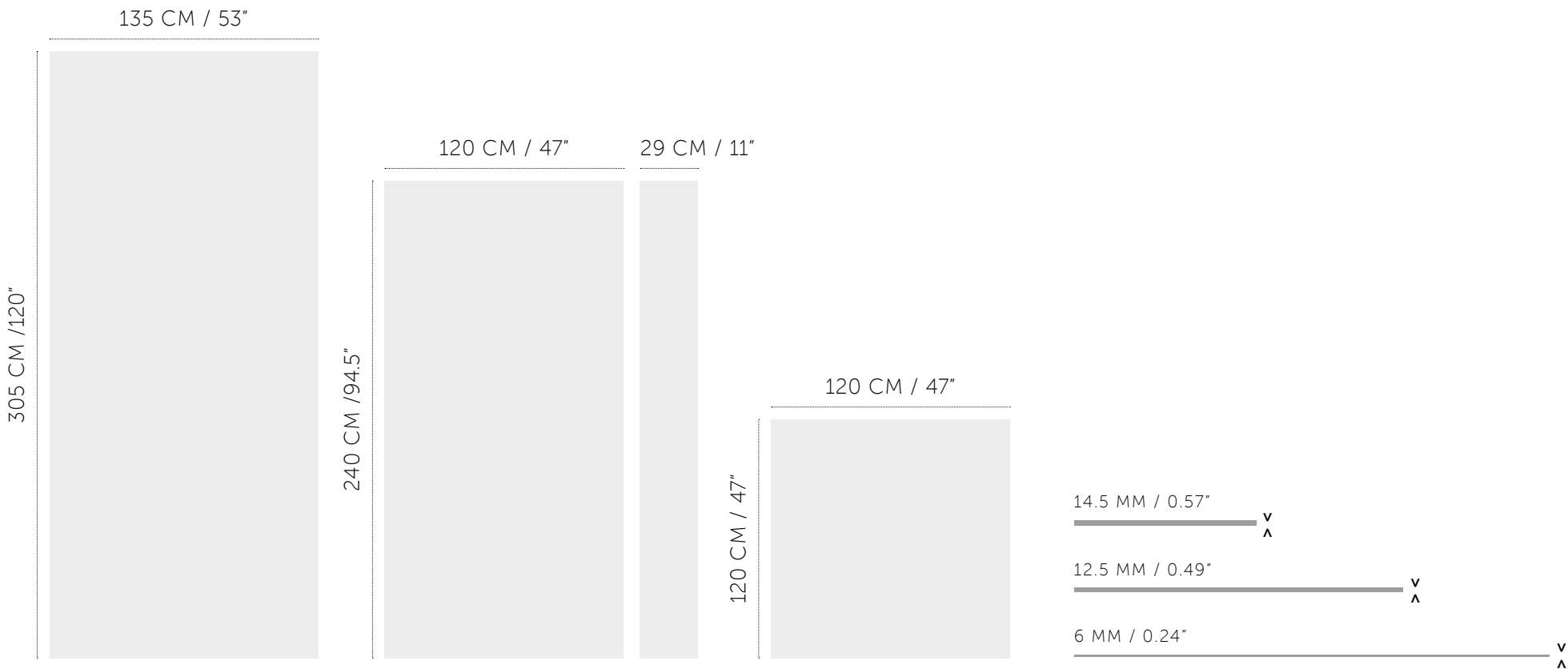


MAXIMUS
TECHNICAL MANUAL

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PRODUCT TYPOLOGY & SIZES

Product Sizes



Product Typology

BODY TYPE	SIZE (CM)	POLISHED	MATT	14.5MM THICK	12.5MM THICK	6 MM THICK
Glazed	135X305	✓	✗	✓	✗	✗
Glazed	120X240	✓	✗	✗	✓	✗
Glazed	120X240	✗	✓	✗	✓	✓
Glazed	120X120	✓	✓	✗	✓	✗
Glazed	29X240	✗	✓	✗	✓	✗
Un Glazed	135X305	✓	✓	✓	✗	✗
Un Glazed	120X240	✓	✓	✗	✓	✗
Un Glazed	120X120	✓	✓	✗	✓	✗

TECHNICAL SPECIFICATIONS

Unglazed Unpolished

TEST DESCRIPTION	STANDARD TEST METHOD	STANDARD REQUIREMENTS	RAK CERAMICS SPECIFICATION		
			14.5 (135X305 CM)	12.5 (120X240 CM)	12.5 (120X120 CM)
Surface Quality	BS EN ISO 10545-2	a minimum of 95% of the tiles are to be free from visible defects	Minimum of 95% of the tiles are free from visible defects		
Length & Width	BS EN ISO 10545-2	± 0.6%	± 0.1%	± 0.1%	± 0.1%
Thickness	BS EN ISO 10545-2	± 5%	± 5%	± 5%	± 5%
Straightness Of Sides	BS EN ISO 10545-2	± 0.5%	± 0.15%	± 0.15%	± 0.15%
Rectangularity	BS EN ISO 10545-2	± 0.5%	± 0.15%	± 0.15%	± 0.15%
Surface Flatness: Center Curvature	BS EN ISO 10545-2	± 0.5%	± 0.15%	± 0.15%	± 0.15%
Surface Flatness: Edge Curvature	BS EN ISO 10545-2	± 0.5%	± 0.15%	± 0.15%	± 0.15%
Surface Flatness: Warpage	BS EN ISO 10545-2	± 0.5%	± 0.15%	± 0.15%	± 0.15%
Water Absorption	BS EN ISO 10545-3	≤ 0.5%	≤ 0.1%	≤ 0.1%	≤ 0.1%
Breaking Strength*	BS EN ISO 10545-4	≥ 1500 N	≥ 3500 N	≥ 3000 N	≥ 3000 N
Modulus Of Rupture*	BS EN ISO 10545-4	≥ 35 N/mm ²	≥ 40 N/mm ²	≥ 40 N/mm ²	≥ 40 N/mm ²
Resistance To Surface Abrasion	BS EN ISO 10545-7	-	-	-	-
Resistance To Deep Abrasion	BS EN ISO 10545-6	≤ 175 mm ³	≤ 150 mm ³	≤ 150 mm ³	≤ 150 mm ³
Coefficient Of Linear Thermal Expansion	BS EN ISO 10545-8	Test method available	≤ 7 X 10 ⁻⁶ /°C	≤ 7 X 10 ⁻⁶ /°C	≤ 7 X 10 ⁻⁶ /°C
Resistance To Thermal Shock	BS EN ISO 10545-9	Test method available	No visible defect	No visible defect	No visible defect
Crazing Resistance	BS EN ISO 10545-11	-	-	-	-
Frost Resistance	BS EN ISO 10545-12	Required	No visible damage	No visible damage	No visible damage
Resistance To Household Chemicals & Swimming Pool Salts	BS EN ISO 10545-13	Minimum Class UB	Class UA - No visible effect	Class UA - No visible effect	Class UA - No visible effect
Resistance To Low Concentrations Acids & Alkalis	BE EN ISO 10545-13	Manufacturer to state classification	Class ULA - No visible effect	Class ULA - No visible effect	Class ULA - No visible effect
Resistance To High Concentrations Acids & Alkalis	BS EN ISO 10545-13	Test method available	Class UHA - No visible effect	Class UHA - No visible effect	Class UHA - No visible effect
Resistance To Staining	BS EN ISO 10545-14	Test method available	Min. Class 2 - Stains removed	Min. Class 2 - Stains removed	Min. Class 2 - Stains removed

Note: This technical specification is applicable only to tiles in choice "A".

* Test performed using 60X60 cm cut pieces from the slab

* Thickness is nominal

Unglazed Polished

TEST DESCRIPTION	STANDARD TEST METHOD	STANDARD REQUIREMENTS	RAK CERAMICS SPECIFICATION		
			14.5 (135X305 CM)	12.5 (120X240 CM)	12.5 (120X120 CM)
Surface Quality	BS EN ISO 10545-2	a minimum of 95% of the tiles are to be free from visible defects	Minimum of 95% of the tiles are free from visible defects		
Length & Width	BS EN ISO 10545-2	± 0.6%	± 0.1%	± 0.1%	± 0.1%
Thickness	BS EN ISO 10545-2	± 5%	± 5%	± 5%	± 5%
Straightness Of Sides	BS EN ISO 10545-2	± 0.5%	± 0.15%	± 0.15%	± 0.15%
Rectangularity	BS EN ISO 10545-2	± 0.5%	± 0.15%	± 0.15%	± 0.15%
Surface Flatness: Center Curvature	BS EN ISO 10545-2	± 0.5%	± 0.15%	± 0.15%	± 0.15%
Surface Flatness: Edge Curvature	BS EN ISO 10545-2	± 0.5%	± 0.15%	± 0.15%	± 0.15%
Surface Flatness: Warpage	BS EN ISO 10545-2	± 0.5%	± 0.15%	± 0.15%	± 0.15%
Water Absorption	BS EN ISO 10545-3	≤ 0.5%	≤ 0.1%	≤ 0.1%	≤ 0.1%
Breaking Strength*	BS EN ISO 10545-4	≥ 1500 N	≥ 3500 N	≥ 3000 N	≥ 3000 N
Modulus Of Rupture*	BS EN ISO 10545-4	≥ 35 N/mm ²	≥ 40 N/mm ²	≥ 40 N/mm ²	≥ 40 N/mm ²
Resistance To Surface Abrasion	BS EN ISO 10545-7	-	-	-	-
Resistance To Deep Abrasion	BS EN ISO 10545-6	≤ 175 mm ³	≤ 150 mm ³	≤ 150 mm ³	≤ 150 mm ³
Coefficient Of Linear Thermal Expansion	BS EN ISO 10545-8	Test method available	≤ 7 X 10 ⁻⁶ /°C	≤ 7 X 10 ⁻⁶ /°C	≤ 7 X 10 ⁻⁶ /°C
Resistance To Thermal Shock	BS EN ISO 10545-9	Test method available	No visible defect	No visible defect	No visible defect
Crazing Resistance	BS EN ISO 10545-11	-	-	-	-
Frost Resistance	BS EN ISO 10545-12	Required	No visible damage	No visible damage	No visible damage
Resistance To Household Chemicals & Swimming Pool Salts	BS EN ISO 10545-13	Minimum Class UB	Class UA - No visible effect	Class UA - No visible effect	Class UA - No visible effect
Resistance To Low Concentrations Acids & Alkalis	BE EN ISO 10545-13	Manufacturer to state classification	Class ULA - No visible effect	Class ULA - No visible effect	Class ULA - No visible effect
Resistance To High Concentrations Acids & Alkalis	BS EN ISO 10545-13	Test method available	Class UHA - No visible effect	Class UHA - No visible effect	Class UHA - No visible effect
Resistance To Staining	BS EN ISO 10545-14	Test method available	Min. Class 2 - Stains removed	Min. Class 2 - Stains removed	Min. Class 2 - Stains removed

Note: This technical specification is applicable only to tiles in choice "A".

* Test performed using 60X60 cm cut pieces from the slab

* Thickness is nominal

TECHNICAL SPECIFICATIONS

Glazed

TEST DESCRIPTION	STANDARD TEST METHOD	STANDARD REQUIREMENTS	RAK CERAMICS SPECIFICATION		
			14.5 (135X305 CM)	12.5 (120X240 CM)	12.5 (120X120 CM)
Surface Quality	BS EN ISO 10545-2	a minimum of 95% of the tiles are to be free from visible defects	Minimum of 95% of the tiles are free from visible defects		
Length & Width	BS EN ISO 10545-2	± 0.6%	± 0.1%	± 0.1%	± 0.1%
Thickness	BS EN ISO 10545-2	± 5%	± 5%	± 5%	± 5%
Straightness Of Sides	BS EN ISO 10545-2	± 0.5%	± 0.15%	± 0.15%	± 0.15%
Rectangularity	BS EN ISO 10545-2	± 0.5%	± 0.15%	± 0.15%	± 0.15%
Surface Flatness: Center Curvature	BS EN ISO 10545-2	± 0.5%	± 0.15%	± 0.15%	± 0.15%
Surface Flatness: Edge Curvature	BS EN ISO 10545-2	± 0.5%	± 0.15%	± 0.15%	± 0.15%
Surface Flatness: Warpage	BS EN ISO 10545-2	± 0.5%	± 0.15%	± 0.15%	± 0.15%
Water Absorption	BS EN ISO 10545-3	≤ 0.5%	≤ 0.4%	≤ 0.4%	≤ 0.4%
Breaking Strength*	BS EN ISO 10545-4	≥ 1300 N	≥ 3500 N	≥ 3000 N	≥ 3000 N
Modulus Of Rupture*	BS EN ISO 10545-4	≥ 35 N/mm ²	≥ 40 N/mm ²	≥ 40 N/mm ²	≥ 40 N/mm ²
Resistance To Surface Abrasion	BS EN ISO 10545-7	Manufacturer to state classification	PEI CLASS 2-4	PEI CLASS 2-5	PEI CLASS 2-4
Resistance To Deep Abrasion	BS EN ISO 10545-6	-	-	-	-
Coefficient Of Linear Thermal Expansion	BS EN ISO 10545-8	Test method available	≤ 7 X 10 ⁻⁶ /°C	≤ 7 X 10 ⁻⁶ /°C	≤ 7 X 10 ⁻⁶ /°C
Resistance To Thermal Shock	BS EN ISO 10545-9	Test method available	No visible defect	No visible defect	No visible defect
Crazing Resistance	BS EN ISO 10545-11	Required	No crazing	No crazing	No crazing
Frost Resistance	BS EN ISO 10545-12	Required	No visible damage	No visible damage	No visible damage
Resistance To Household Chemicals & Swimming Pool Salts	BS EN ISO 10545-13	Minimum GB	Class GA - No visible effect	Class GA - No visible effect	Class GA - No visible effect
Resistance To Low Concentrations Acids & Alkalis	BE EN ISO 10545-13	Manufacturer to state classification	Class GLA - No visible effect	Class GLA - No visible effect	Class GLA - No visible effect
Resistance To High Concentrations Acids & Alkalis	BS EN ISO 10545-13	-	-	-	-
Resistance To Staining	BS EN ISO 10545-14	Minimum Class 3	Min. Class 4 - Stains removed	Min. Class 4 - Stains removed	Min. Class 4 - Stains removed

Note: This technical specification is applicable only to tiles in choice 'A'.
* Test performed using 60X60 cm cut pieces from the slab.
* Thickness is nominal

Superior quality raw materials like kaolin, clay, feldspar, silica, and colouring inks are imported from Europe and other parts of the world to manufacture Maximus Mega Slabs, without compromising on its breaking strength, water absorption, dust, termite and chemical resistance.

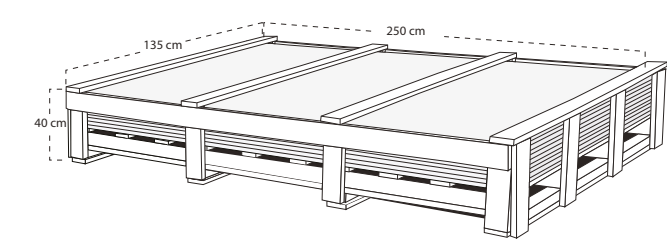
Maximus Mega Slabs are exceptionally hard, resist thermal shock better than any material available today, are virtually non-porous and are a green product. Installation is quicker and easier because of the dimensions of the product.

Flooring, wall cladding, kitchen counter tops, vanity tops, steps and risers, and bath surrounds are all possible. Only your imagination can limit its use.

PACKAGING

Packaging Details

Horizontal Pallet



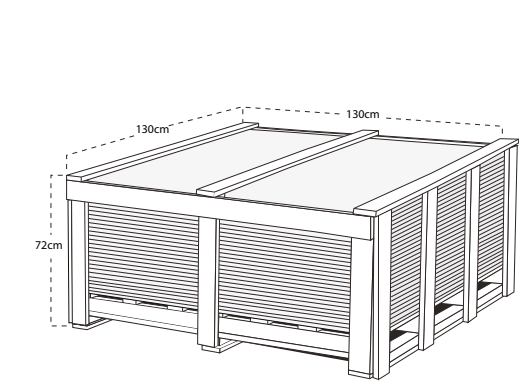
PALLET DIMENSIONS (CM)

FINISH	Length	Height	Width
Polished	250	40	135
Matt	250	40	135
Matt	250	40	135

TILE THICKNESS: 12.5MM

FINISH	TILE SIZE (CM)	TILE AREA (sqm)	KG per pc	PCS per pallet	TILE AREA per pallet (sqm)	WEIGHT per pallet (kg)
Polished	120x240	2.88	88	10	28.8	935
Matt	120x240	2.88	92	10	28.8	975
Matt	29x240	0.7	22	40	28	935

Box Pallet

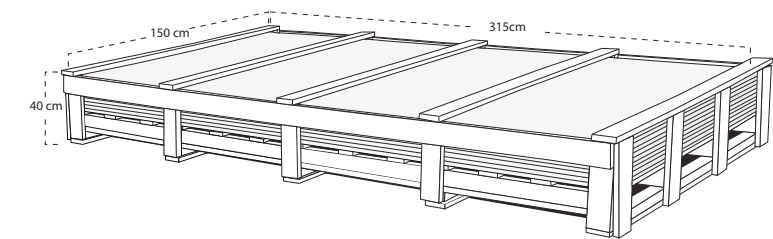


PALLET DIMENSIONS (CM)

FINISH	Length	Height	Width
Polished	130	72	130
Matt	130	72	130

TILE THICKNESS: 12.5MM

FINISH	TILE SIZE (CM)	TILE AREA (sqm)	KG per pc	PCS per pallet	TILE AREA per pallet (sqm)	WEIGHT per pallet (kg)
Polished	120x120	1.44	44	40	57.6	1810
Matt	120x120	1.44	46	40	57.6	1890



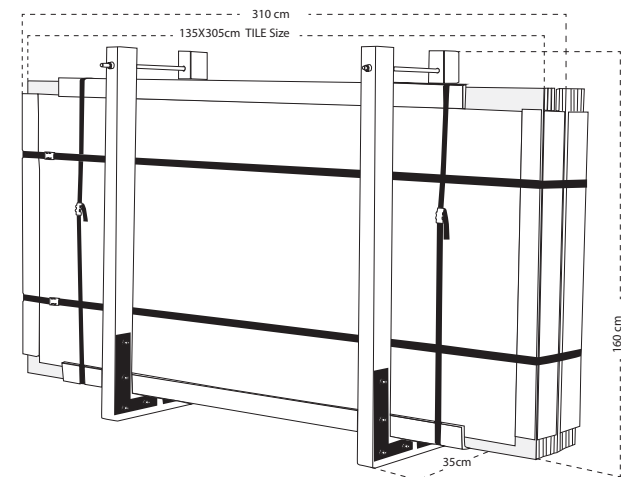
PALLET DIMENSIONS (CM)

FINISH	Length	Height	Width
Polished	315	40	150
Matt	315	40	150

TILE THICKNESS: 14.5MM

FINISH	TILE SIZE (CM)	TILE AREA (sqm)	KG per pc	PCS per pallet	TILE AREA per pallet (sqm)	WEIGHT per pallet (kg)
Polished	135x305	4.12	143	10	41.2	1502
Matt	135x305	4.12	150	10	41.2	1572

Vertical Pallet



PALLET DIMENSIONS (CM)

FINISH	Length	Height	Width
Polished	310	160	35
Matt	310	160	35

TILE THICKNESS: 14.5MM

FINISH	TILE SIZE (CM)	TILE AREA (sqm)	KG per pc	PCS per pallet	TILE AREA per pallet (sqm)	WEIGHT per pallet (kg)
Polished	135X305	4.12	143	12	49.44	1765
Matt	135X305	4.12	150	12	49.44	1848

Note: All tile dimensions mentioned above are rectified. Unrectified size is available in +/-140x308cm on request
All weights and thickness mentioned in the above table are approximate average.

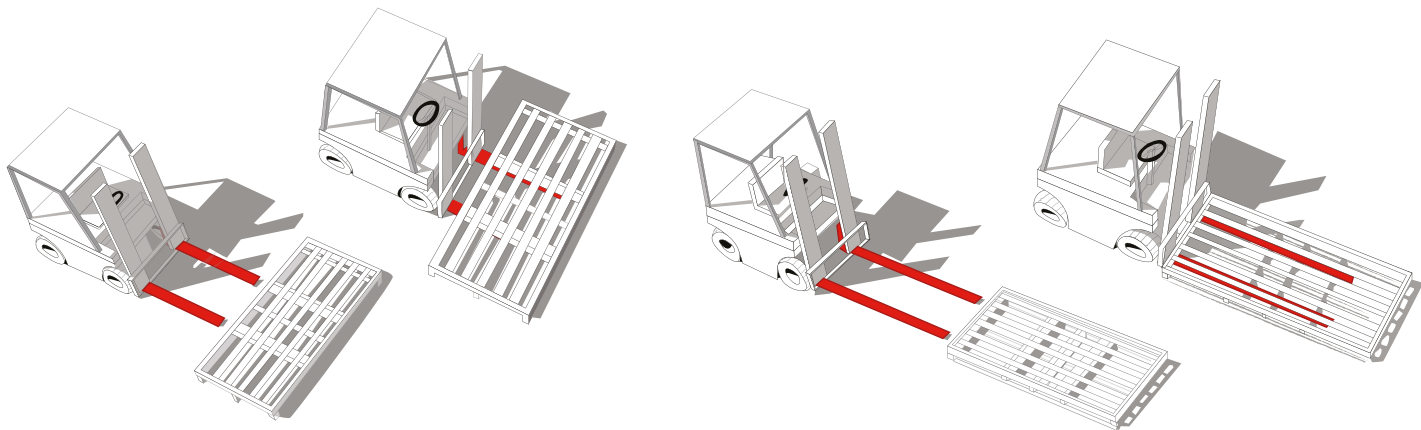
HANDLING

Handling Maximus

Maximus extra large format slabs arrive in oversized crates, which require specific handling equipment. To prevent damage from occurring during forklift operation, specific fork sizes must be used. For example, to handle a crate of 135cm x 305cm tiles from the side, 112cm/ 44" long forks are recommended.

To handle the same crate from the narrow end requires forks that are at least 213cm/ 84" long. Lifting multiple crates with longer forks may require forklifts with a greater lift capacity.

Specialised tools and equipment are currently available for the handling and installation of large porcelain surfaces. Innovative trowels with unique notch configurations can help increase the consistency of the mortar coverage on the back of the tile.



HANDLING EQUIPMENT	
Handling device to free move 150X150 Slabs (use 2 for 305cm Slab)	
Double Suction Cup 115 MM	
Modular Bench BM 180	
MECHANICAL FIXING EQUIPMENT	
Fix Stainless Steel Hook for 8 MM thickness tiles - 500 pcs	
Cut Grooving Machine 850w-230v 50/60hz	

LEVELLING EQUIPMENT	
RLS Clips for Tiles 10-12 MM thick (½" - ¾") - 400 pcs bag	
Wedges in 1000 pcs / carton	
Adjustable pliers for wall and floor covering	

CUTTING EQUIPMENT	
Free cut guide with complete outfit Max. cut of length-156 CM	
Free cut extension length - 170 CM	
Cutting off pliers for tiles/slabs Thickness 6-12 MM	

INSTALLATION (WALL, FLOOR AND FAÇADE)

Installation

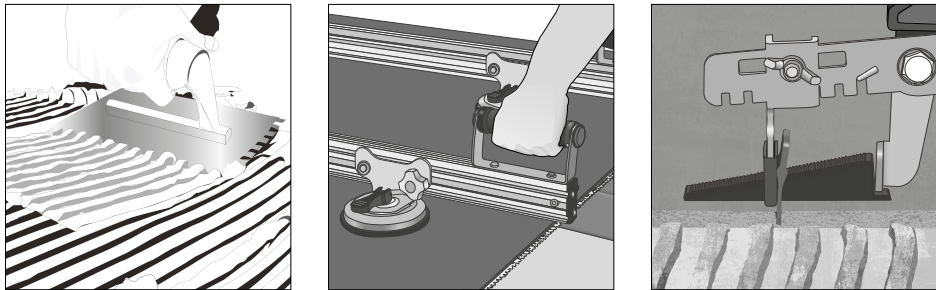
Laying "Maximus" slabs requires similar laying conditions to those required for traditional format slabs. Maximus requires the adhesive to be applied both on the setting bed and on the back of the slab.

Maximus Slabs For Flooring Require The Following Conditions:

- A flat surface that is clean and free from dust, scraps and any lumps of cement
- The setting bed must be uniform and have already undergone the dry shrinkage process
- Repair any cracks
- Any uneven parts on the surface must be filled with suitable levelling compounds

Instruments Required

- Cement-based powder adhesive for full spread, class "C2E according to EN12004 and S1 according to EN12002 standards"
- 3x3 mm square toothed trowel and 15 mm round toothed trowel
- Frame with suction cups for handling or double suction cups
- Non-bounce plastic mallet 170x370 mm
- Levelling system: base clip + wedge + pliers



Bonding To The Floor

- Ensure that the surface to be covered is solid, flat and free from dust and oil/grease.
- Use the adhesives described above mixed according to the specifications indicated in the technical data sheet of the chosen adhesive.
- Spread the adhesive onto the surface to be covered with a 15 mm round toothed trowel across an area of 5/10 cm more than the dimensions of the slab.
- With the slab in a vertical position on the handling frame, spread the adhesive onto the back of the slab with a 3x3 mm square toothed trowel.
- Using the frame with suction cups, bring the slab into a horizontal position and lay it.
- To guarantee uniform bonding of the slab, the special 170x370 mm non-bounce plastic mallet must be used, tapping from the middle towards the edges so as to remove any air pockets between the back of the slab, the adhesive and the surface to be tiled using the levelling system.

Bonding To The Wall

- Ensure that the surface to be covered is solid, flat and free from dust;
- Cement-based powder adhesive for full spread, class "C2E according to EN12004 and S1 according to EN12002 standards";
- Spread the adhesive onto the surface to be covered with a 15 mm round toothed trowel across an area of 5/10 cm more than the dimensions of the slab;
- With the slab in a vertical position on the handling frame, spread the adhesive onto the back of the slab with a 3x3 mm square toothed trowel;
- Using the handling frame in a vertical position lay the slab;
- Before releasing the slab from the handling frame, ensure that the adhesive will hold it in place;
- To guarantee complete bonding of the slab and eliminate any air, tap from the middle towards the edges using the non-bounce plastic mallet;
- Before bonding the next slab, fix the hidden mechanical hook to the wall with the relevant nails (length 27 mm) using the gas-powered nailing machine.

INSTALLATION (WALL, FLOOR AND FAÇADE)

Ventilated Façade

Maximus Mega Slab – Ventilated Façade Systems

A ventilated façade is a coating system on the outside of a building which leaves a ventilated chamber between the coating (façade) and the building insulation. Considered as the best solution for maximising insulation whilst reducing unwanted condensation or thermal bridge problems, ventilated façades provide excellent thermal-hygrometric solutions.

Advantages of Ventilated Façade Systems

- **Energy Saving** – Excellent thermal insulation, reduction in heat/cool dispersal, and less heat absorption in warm climates.
- **Technical and Aesthetic Durability** – Significant reduction in deterioration due to pollution, does not absorb dust or dirt, easy to clean and maintain and promotes humidity dispersal.
- **Healthier Environment** – Increased comfort for users and meets all hygiene, health and environmental protection standards.



Ventilated Façade Laying Option 1

C.A.T 3 Oculto Concealed

Rediwa C.A.T 3 concealed is a concealed and longitudinal chemical mechanical fastening system. Suitable for lower floors in high rise structures or all over coating on low rise structures. The concealed system gives a neat, clean finish.

The concealed mechanical fasteners are made from stainless steel clamps screwed to the vertical structure. The ceramic is held in position by the steel clamps as their flanges are inserted in the grooves made previously on the ceramic edges. The grooves are made using an industrial machine under the highest levels of safety control to guarantee that both the depth and width of the grooves are in keeping with safety standards.

Between the back of the ceramic and the vertical sub-structure, in a longitudinal shape, there is an MS-type elastic adhesive cord which provides the system with a chemical longitudinal fastening.

This elastic adhesive absorbs the ceramic coating movements caused by wind and ensures that the tile is not in direct contact with the structure, therefore absorbing the thermal expansions between the different materials. The chemical longitude fastening also ensures that in the event of accidental breakage due to any kind of impact, the ceramic will remain attached to the sub structure and not become detached.

Ventilated Façade Laying Option 2

C.A.T 3 Visible

Rediwa C.A.T 3 visible is a support and retention fastening system using clips on the ceramic borders. Suitable for higher floors in high rise structures or all over coating on budget conscious low rise structures.

The clips are made from stainless steel and lacquered in the same colour as the ceramic tiles so that they will blend into the façade and provide a neat appearance. The clips include a flexible material made from EPDM which is attached between the back of the clamp and the ceramic to make it easier to absorb expansions and avoid tensions and/or plate movements caused by wind. The clips are attached to the vertical structure using self-tapping screws. This allows ceramic pieces to be quickly and easily replaced if needed.

In addition, to ensure complete safety of the system, the whole contact surface between the ceramic and the vertical profile (coinciding with the vertical joints), will be sealed with an adhesive MS cord. This prevents the ceramic from becoming detached in the event of any kind of impact or damage.

CLEANING AND MAINTENANCE

Cleaning And Maintenance

Maximus products are non porous (due to their high quality raw materials, stringent production parameters and state of the art technology), hence any dust or deposited waste cannot penetrate the surface.

For most cases only a damp cloth is sufficient for cleaning.

Regular cleaning highlights the aesthetic features of the surface and gives it exceptional shine.

For highly aggressive cleaning caused by some common food and substances follow the table below.

TYPE OF STAIN	CHEMICAL PRODUCT	EXAMPLE
Grease	Alkaline - Solvent	Detergent
Oil	Solvent	Ammonia
Ink	Oxidant - Solvent	Alcohol
Rust	Acid	Hydrolic acid
Lime	Acid	Descaling products
Cement	Acid	Hydrolic acid
Wine	Alkaline	Ammonia or Bleach
Coffee	Alkaline - Solvent	Ammonia or Bleach
Rubber	Solvent	Alcohol
Plaster	Acid	Hydrolic acid
Candle wax	Solvent	Alcohol
Iodine	Oxidant	Bleach
Blood	Oxidant	Bleach
Ice cream	Alkaline	Detergent
Resins	Solvent	Alcohol
Fruit juices	Oxidant	Bleach

Disclaimer: The aim of this manual is to offer helpful suggestions about handling and maintaining maximus mega slabs. Due to nature of sintered ceramic material, it is highly advisable to consult an expert for these purposes. RAK Ceramics cannot be held responsible for any damage resulting from using the information and suggestions contained in this technical manual.

Notes

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