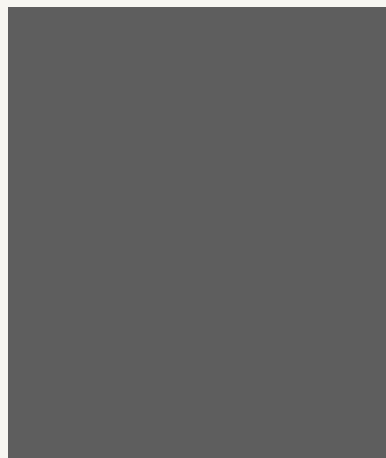


YOMA
WOOD
MELANATE

Sustainable Luxury

MELANATE



FINISHING:
HIGH ABRASION RESISTANCE

YOMA MELANATE

HYBRID INNOVATION BOARD

“Premium Super E0 plywood fused with Ultra-strength Melanate & Melanate Pro surfaces, tested 1,000–3,400 cycles for exceptional elegance and durability.”

/01 THE PREMIUM ENGINEERED MELANATE FINISHES

Surface Strength : 1,000 abrasion cycles under DIN EN 13329

- Over 2.5 x the NEMA LD3 HPL scratch-resistance standard
- Up to 5 x tougher than the standard melamine wear resistant
- Elevate interiors with natural-inspired designs
- Heat and chemical resistant

/02 THE ELITE MELANATE PRO FINISHES

Surface : Anti-fingerprint satin finishes 2,400 cycles; high-gloss finishes 3,400 cycles

- Abrasion resistance equivalent to the European AC3 rating.
- Long-lasting color with no fading
- High heat and moisture resistance
- Environmentally responsible
- Resists stains, smudges, and watermarks
- Easy to clean

SUBSTRATE:
ULTRA-LOW EMISSIONS. MAXIMUM DURABILITY.



/03 PLYWOOD (SUPER E0)

- Resistant to moisture, termites, and fire.
- Excellent screw-holding strength, dimensional stability



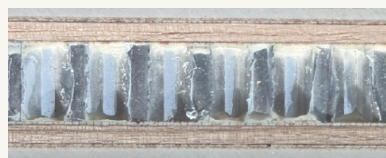
/04 PREMIUM BLOCK BOARD (SUPER E0)

- Premium Golden fir Core
- Heavy-duty performance. Strong, screw-friendly
- Lighter than standard wood



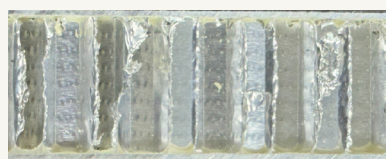
/05 ALUMINIUM SPC HONEYCOMB PANEL (SUPER E0)

- Honeycomb core enhanced with SPC layers and Melanate Pro surface
- Lightweight
- Moisture, heat, and scratch resistant



/06 ALUMINIUM WOODCORE HONEYCOMB PANEL (SUPER E0)

- Eucalyptus wood core is integrated with aluminium honeycomb
- Excellent screw-holding strength
- Sound insulation



/07 PURE ALUMINIUM HONEYCOMB PANEL (SUPER E0)

- All-aluminium panel with A2 fire resistance
- Lightweight, non-deforming
- Corrosion resistant
- Made for safety-critical public spaces

YOMA WOOD

MELANATE

YOMA
WOOD
MELANATE

A new generation of premium boards, fusing the enduring strength of Super E0 certified substrate with advanced Melanate & Melanate Pro surfaces, tested up to 3,400 cycles for unmatched durability and refined beauty.



Design
Timeless



Premium
Performance
Ultra-durable surface



Hybrid
Strength
Super E0 safe boards



“
Ultra-Durable
Surface &
High-Strength
Core
”



Yoma Melanate is an elite surface collection that fuses premium-grade durability with SUPER E0-certified plywood, engineered for superior strength and long-lasting performance in modern interiors.

/01

Aesthetic Excellence

TIMELESS BEAUTY

Yoma Melanate brings together the elegance of nature and contemporary artistry. From classic woodgrains to luxurious marble patterns, each design is crafted to elevate interiors with a refined and timeless appeal.

/02

Performance & Durability

BUILT TO LAST

Engineered with international standards, every surface ensures superior resistance to scratches, moisture, and daily wear. Ideal for both residential and commercial projects, Yoma guarantees lasting beauty and dependable performance.

/03

Sustainable Choice

DESIGN WITH RESPONSIBILITY

Committed to health and the environment, Yoma Melanate is produced with Super E0 standards for ultra-low formaldehyde emissions. Designers can create inspiring spaces with confidence, knowing every choice is safe, sustainable, and responsible.

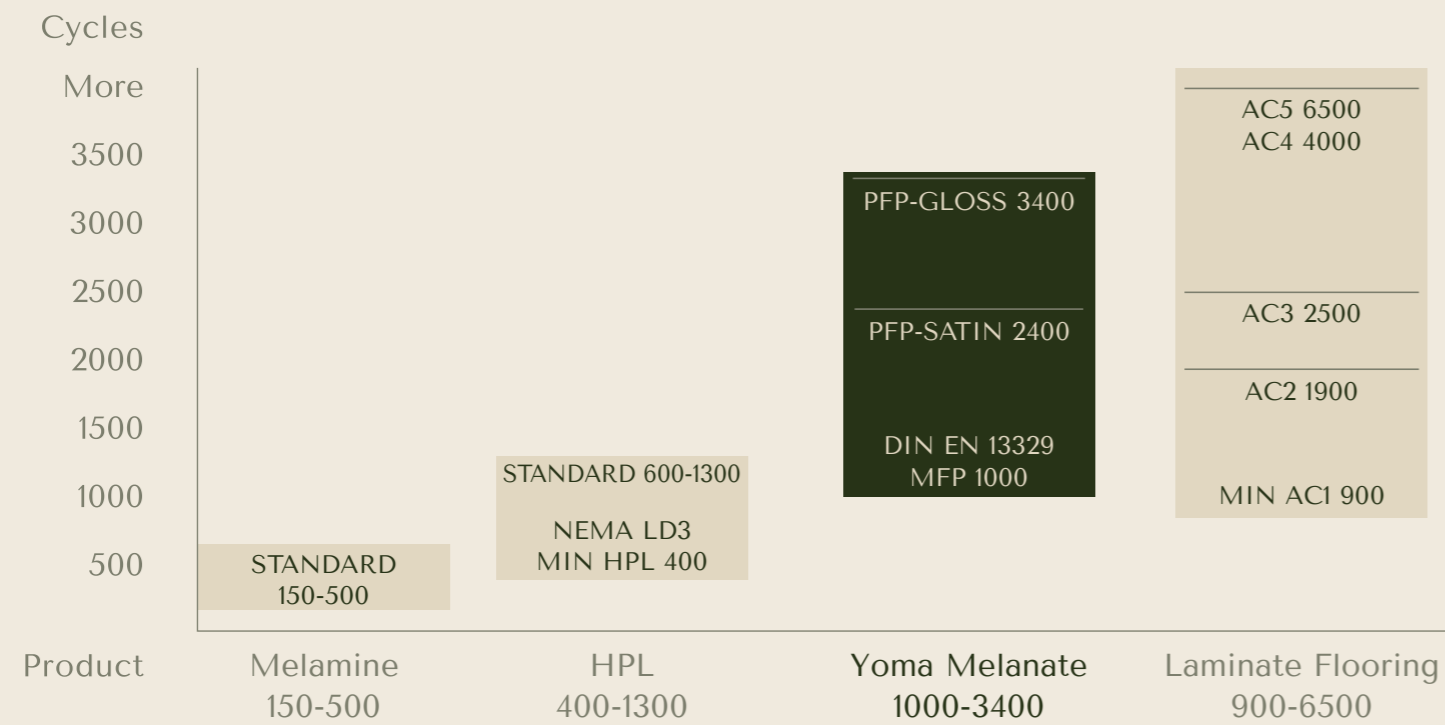


High Abrasion Resistance

Designed to withstand surface wear and maintain long-term performance. Withstands significant wear for enduring appeal.

- **Premium Melanate finishes** (MFP) : Rated at 1,000 abrasion cycles, tested according to DIN EN 13329.
- **Elite Melanate Pro finishes** (PFP) : Rated at 2,400–3,400 abrasion cycles, tested according to DIN EN 13329.

Abrasion/Wear Resistance Comparison (Cycles)



Elegant Surface

Designed to deliver visible luxury and tactile sophistication for contemporary spaces.



Soft-Touch

Offers a velvety smooth feel.



Anti-Fingerprint

Maintains a clean, refined appearance over time.



Design-Driven

Specifically crafted to complement modern interiors.

Surface Performance

Super E0 Safe
Formaldehyde-safe,
promoting a healthier environment.



Built to Last
Engineered for dependable,
long-term performance.



Moisture-Proof
Provides robust defence
against swelling and warping.



Precision Fit
Ensures secure fastening
and accurate alignment.



**Termite
Resistant**
Naturally protects
against pests.



Lightweight Power
Combines high strength with
minimal weight.



Superior Strength
Constructed for exceptional
durability.



Sustainable Choice
Developed with environmental
responsibility in mind.



Wood Performance

FINISHING:
ULTRA-DURABLE

UP TO 5X

Tougher than standard
melamine boards

Over 2.5X

The NEMA LD3
minimum HPL standard

SUBSTRATE:
HIGH-STRENGTH

SUPER E0
GRADE

Near-zero formaldehyde
emission

UP TO 3-5X

Superior moisture
resistance
(minimal thickness swelling)

Wood Performance

-
- MFP: Melanate + Plywood,
Thickness: 4 / 6 / 9 / 10 / 15 / 16 / 18 / 20 / 25 mm
-
- MPF-SN: Melanate Synchronized + Plywood,
Thickness 5 / 9 / 12 / 15 / 18 mm
-
- PFP: Melanate Pro + Plywood, Thickness 9 / 12 / 15 / 16 / 18 / 20 / 25 mm,
Size: 1220 x 2440 mm
-
- MFB: Structure: Melanate + Block Board
Size: 1220 x 2440 mm
Thickness: 18 mm
-
- PAHS: Structure: Melanate Pro + SPC + Aluminium Honeycomb
Sizes: 1220 x 2440 mm, 1220 x 2750 mm
Thickness: 6 / 10 / 15 / 18 mm
-
- PAHW: Structure: Melanate Pro + SPC + Eucalyptus Core + Aluminium
Honeycomb
Sizes: 1220 x 2440 mm, 1220 x 2750 mm
Thickness: 18 mm
-
- PAH: Structure: Melanate Pro + Aluminium Sheet + Aluminium Honeycomb
Sizes: 1220 x 2440 mm
Thickness: 6 / 9 / 10 / 15 / 18 mm

Solid : 1

/01



MFP 0028 U
Yellow

/02



MFP 0030 U
Iconic Orange

/03



MFP 0029 U
Red

/04



MFP 0031 U
Green

/05



MFP 0032 U
Ocean

/06



MFP 0027 U
Jewelry Blue

A

PREMIUM
MELANATE
SOLID

Solid : 2

/01

Pfp

Melanate Pro -
faced Plywood

METALLIC

/02



PFP 2810-ST
Silver Aluminum

/03



PFP 2811-ST
Graphite Aluminum

/04



PFP 2812-ST
Gold Aluminum

/05

A

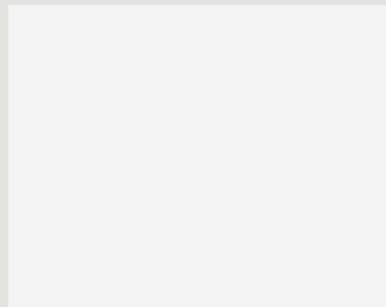
Mfp

Melanate-faced Plywood

PREMIUM melanate



MFP 0001 U
Bright White



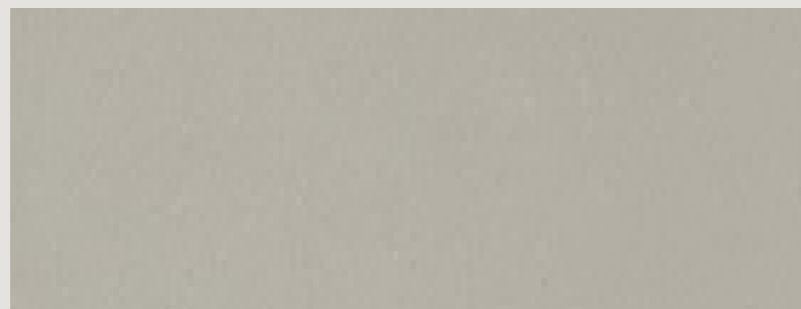
MFP 0003 U
Soft White



MFP 0004 U
Snow White



MFP 0006 U
Cloud Drift



MFP 0011 U
Polar Ash

B

C

Universal



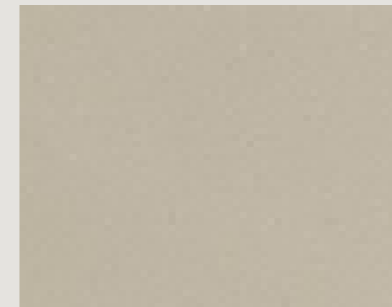
MFP 0023 U
Soft Moon



MFP 0010 U
Beige



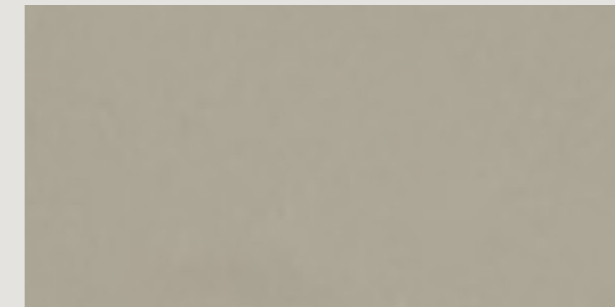
MFP 0022 U
Taupe



MFP 0024 U
Birch Silk



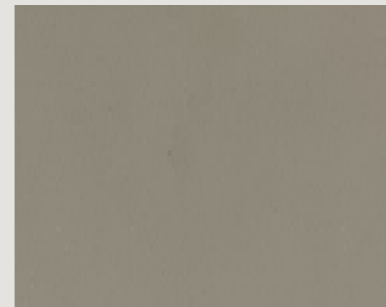
MFP 0008 U
Ivory Sand



MFP 0007 U
Sandstone



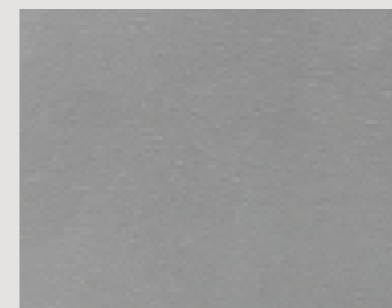
MFP 0012 U
Dusty



MFP 0013 U
Cool Gray



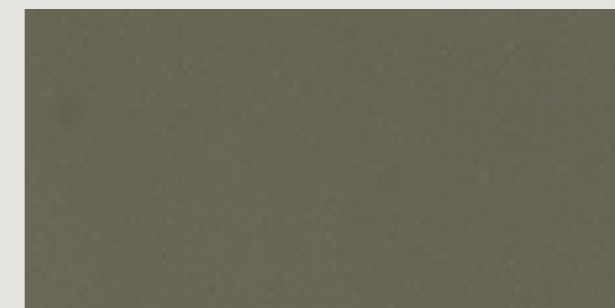
MFP 0009 U
Mocha Dust



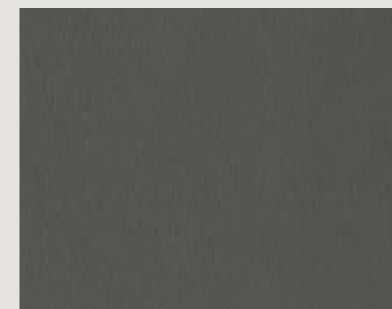
MFP 0025 U
Iron Gray



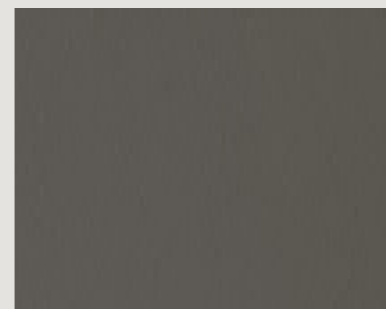
MFP 0026 U
Luxury Gray



MFP 0015 U
Olive Brown



MFP 0017 U
Charcoal



MFP 0018 U
Anthracite



MFP 0016 U
Earthy

A

B

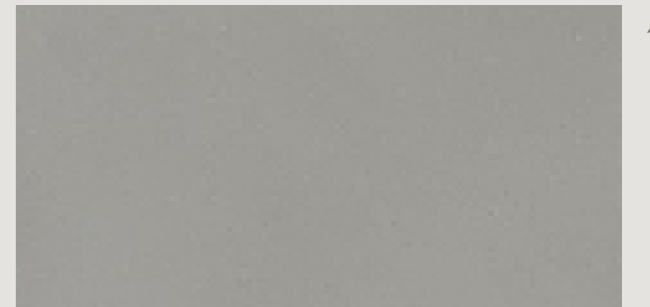
C

Solid : 3



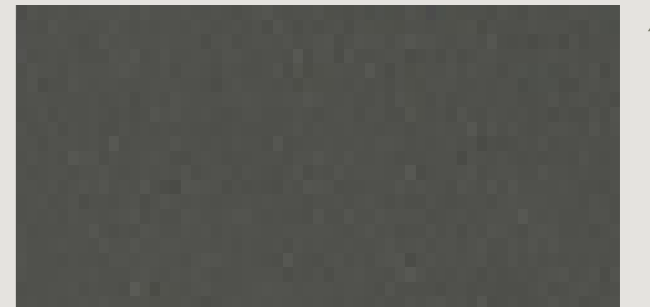
MFP 0020 U
Concrete Gray

/01



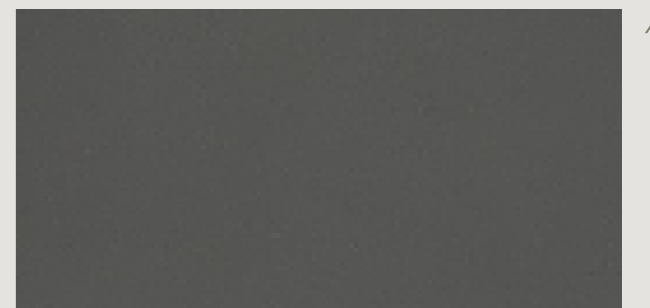
MFP 0014 U
Steel Gray

/02



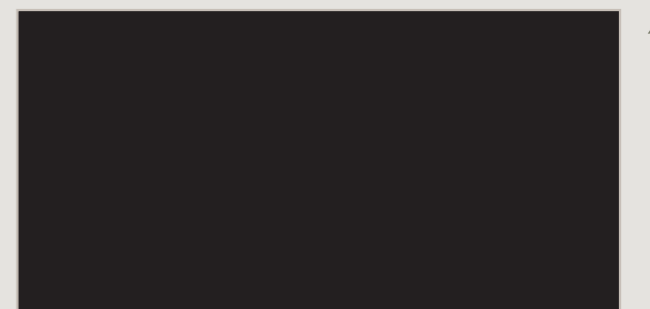
MFP 0021 U
Graphite

/03



MFP 0019 U
Shadow Moss

/04



MFP 0005 U
Black

/05

D

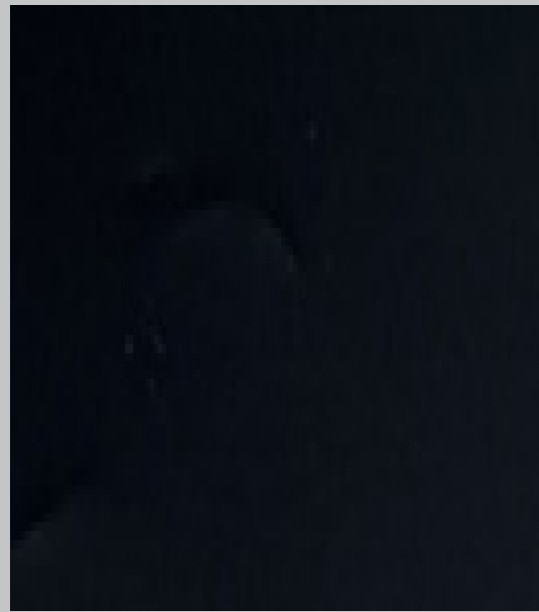
/01 **Pfp**
Melanate Pro
- faced Plywood

Gloss



PFP 2001 G
Pure White

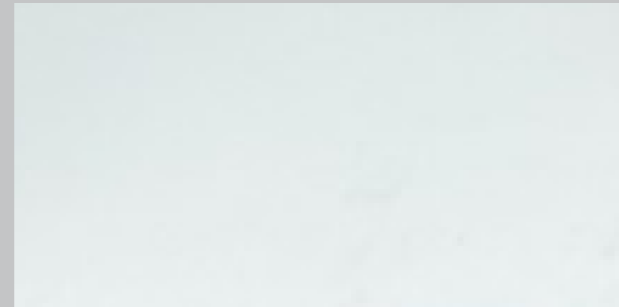
/04



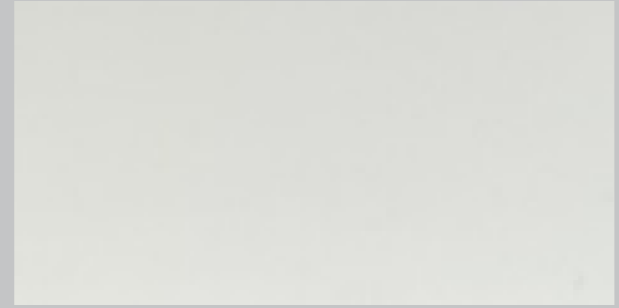
PFP 2012 G
Graphite Black

/05

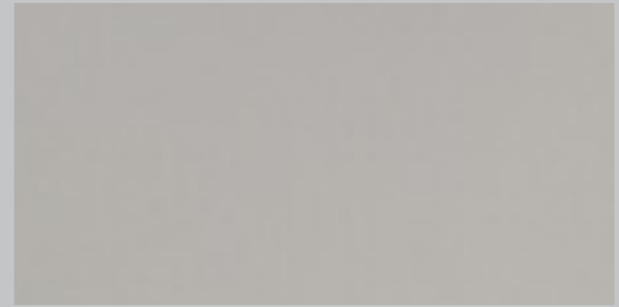
Satin



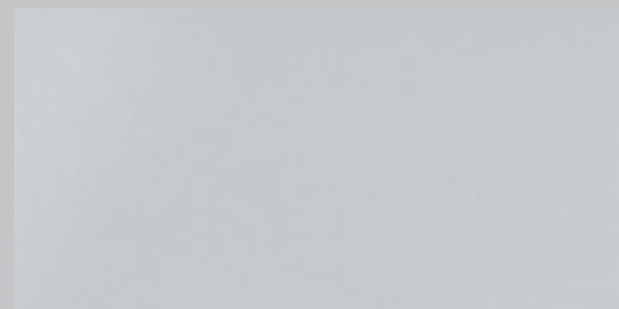
PFP 2001 ST
Pure White



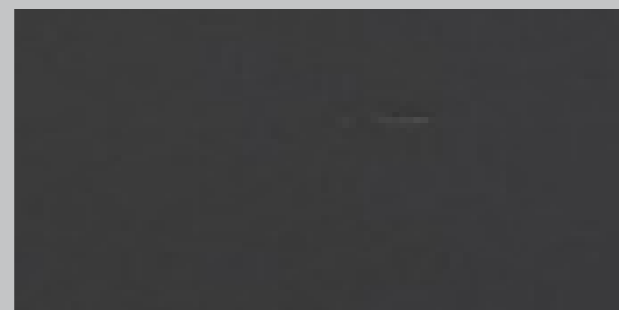
PFP 2003 ST
Creamy



PFP 2005 ST
Elegant Gray

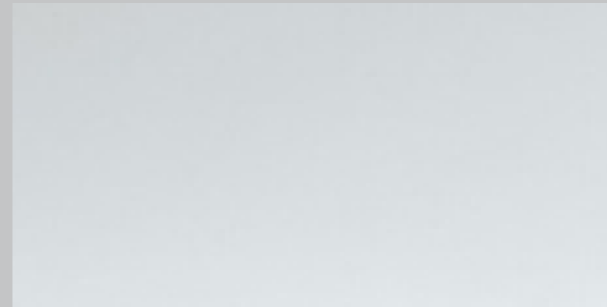


PFP 2007 ST
Water Gray



PFP 2011 ST
Jeju Gray

Solid : 4



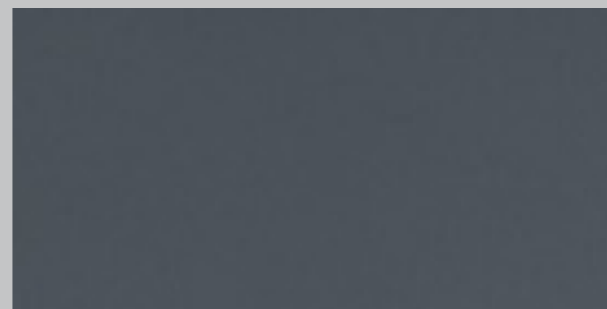
PFP 2002 ST
Frosty White



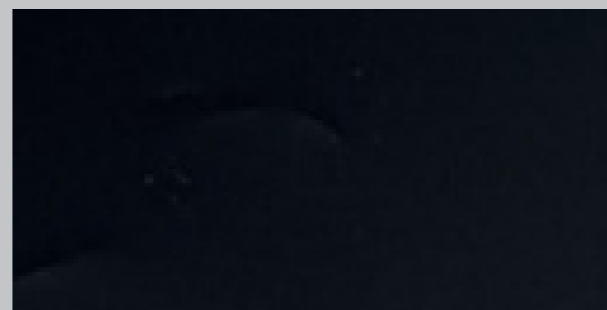
PFP 2004 ST
Hyacinth Gray



PFP 2006 ST
Gentleman Gray



PFP 2010 ST
Dark Tile Gray



PFP 2012 ST
Graphite Black

A

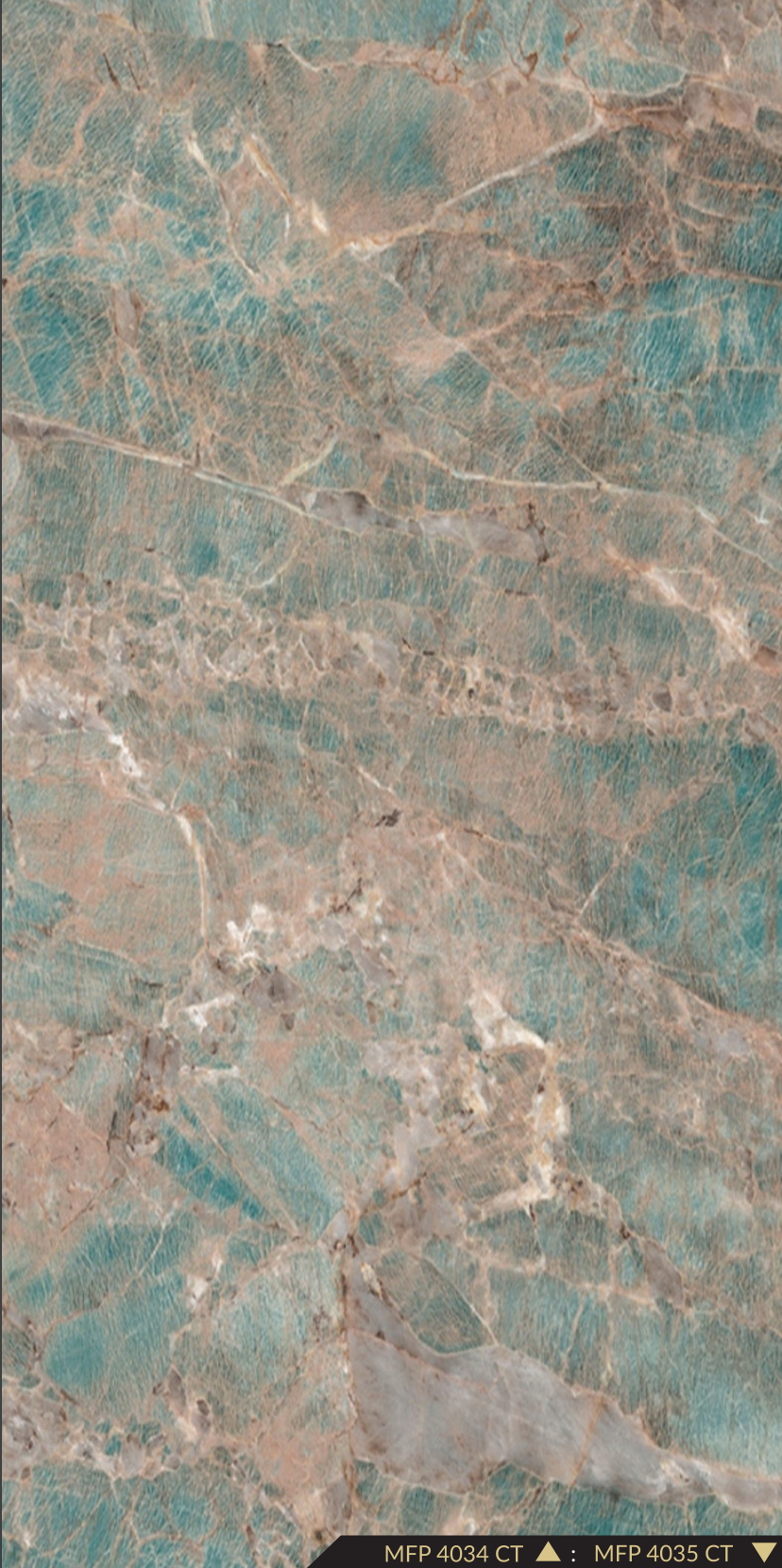
B

C

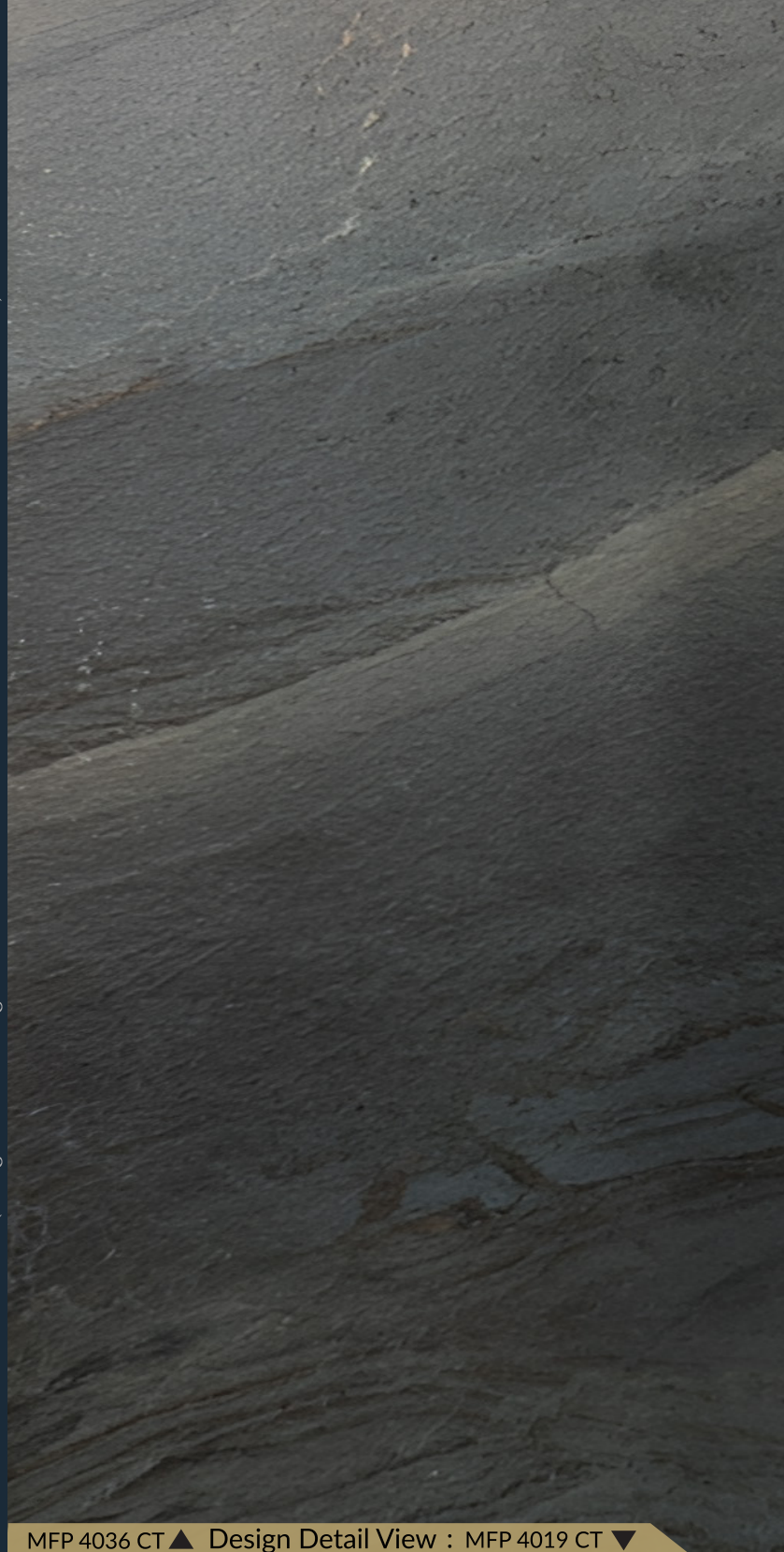
C U S T O M
collection
*"Bespoke Surfaces.
Infinite Possibilities."*



Vivid Chevron MFP 4000 CT ▲



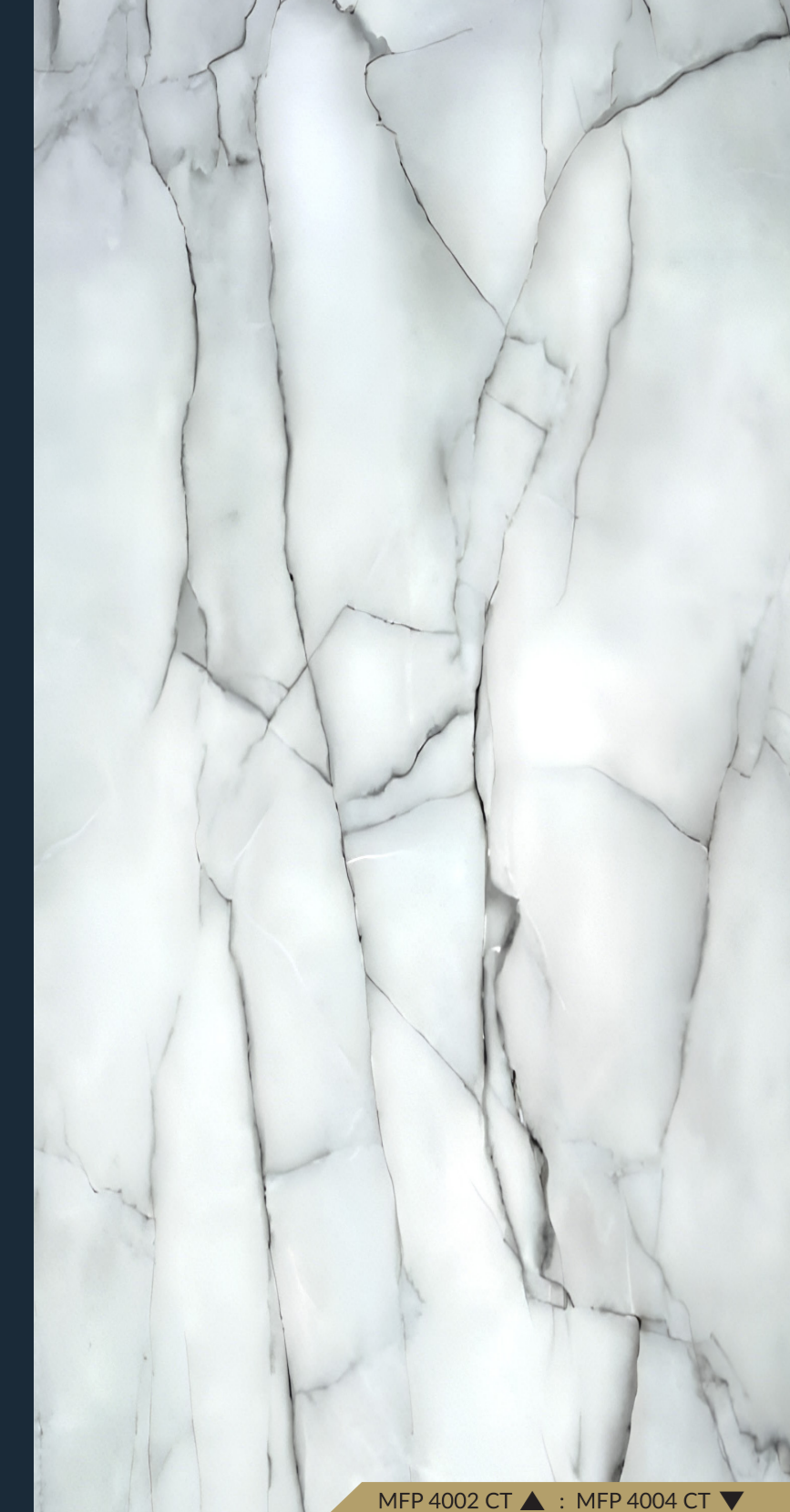
MFP 4034 CT ▲ : MFP 4035 CT ▼



MFP 4036 CT ▲ Design Detail View : MFP 4019 CT ▼

(Images are enlarged for visual refinement and are not shown to actual scale)

*"Where Craft Meets Creativity
Surfaces Beyond Imagination."*



MFP 4002 CT ▲ : MFP 4004 CT ▼



MFP 4032 CT ▲ : MFP 4001 CT ▼

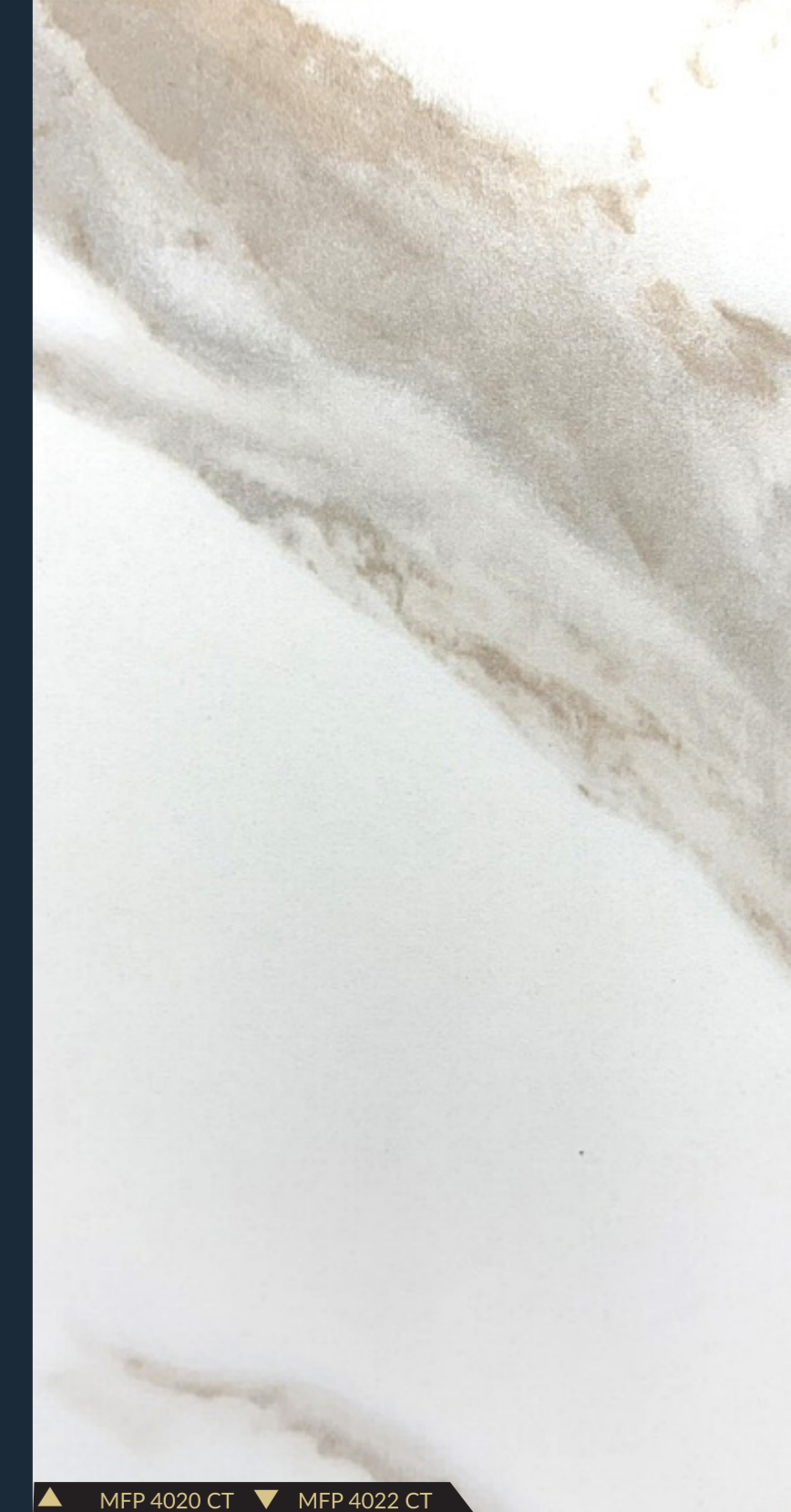


▲ MFP 4003 CT ▼ MFP 4006 CT

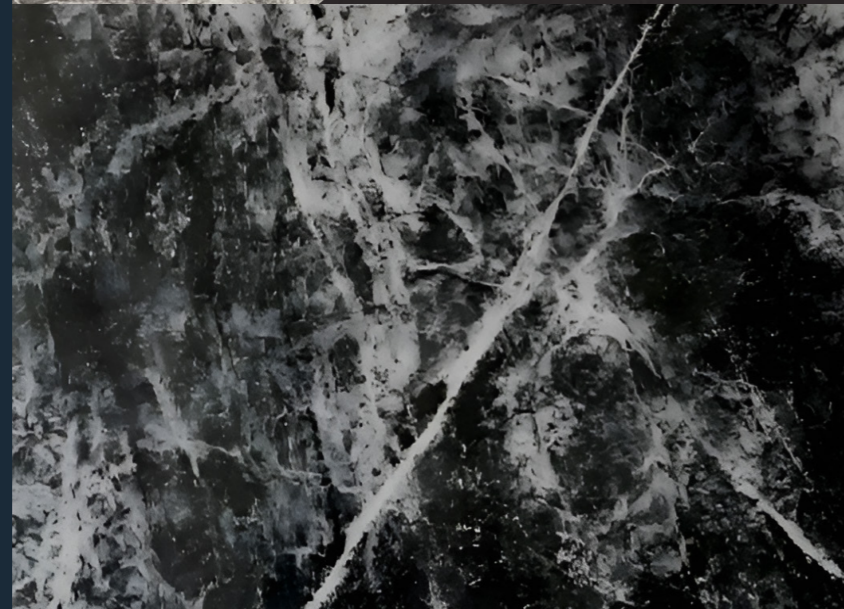
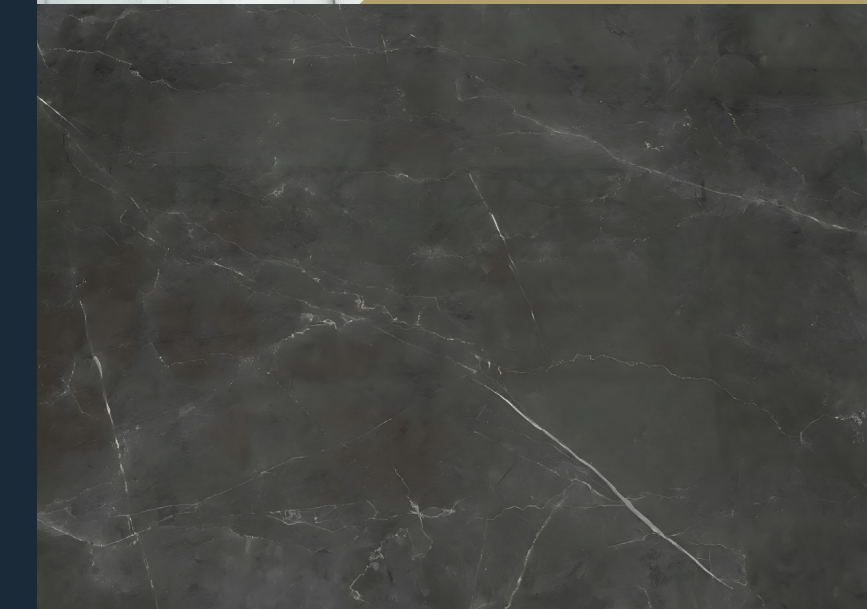
(Images are enlarged for visual refinement and are not shown to actual scale)



MFP 4005 CT ▲ Design Detail View : MFP 4021 CT ▼



▲ MFP 4020 CT ▼ MFP 4022 CT



/01



MFP 4001 CT
Obsidian Vein



MFP 4022 CT
Cloud White Marble



MFP 4003 CT
Alpine White Vein

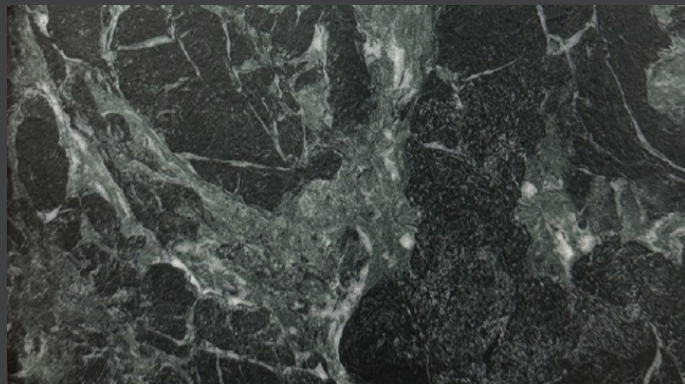
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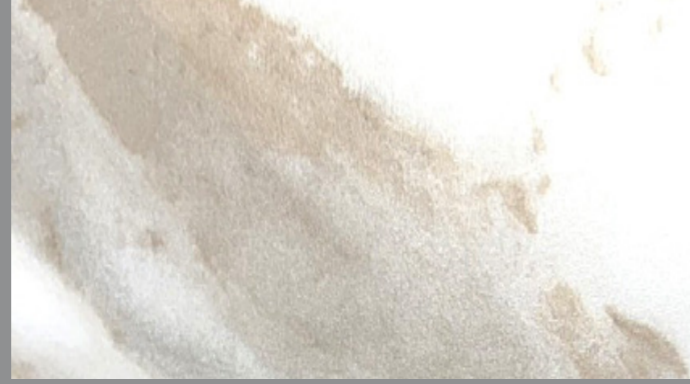
MFP 4000 CT
Vivid Chevron

/01

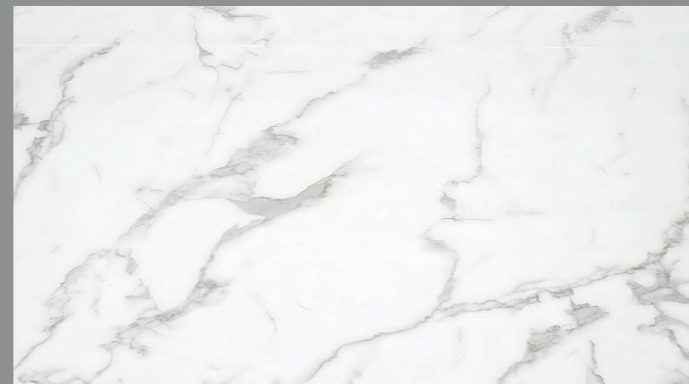
/02



MFP 4035 CT
Verde Tinos Marble

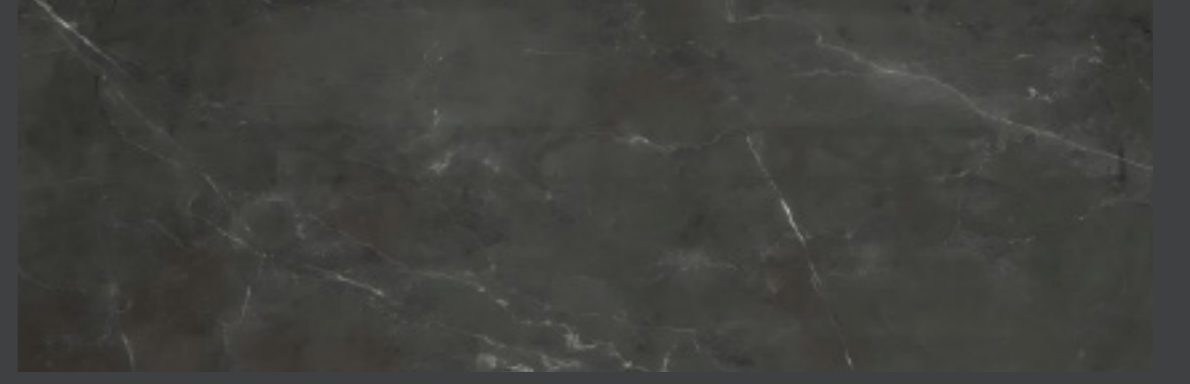


MFP 4020 CT
White Vein Marble



MFP 4006 CT
Arctic White Marble

/02



MFP 4004 CT
Smoky Gray Stone

/03



MFP 4036 CT
Kunlun Stone Vein



MFP 4021 CT
Arabescato Marble



MFP 4005 CT
Calacatta Warm Vein

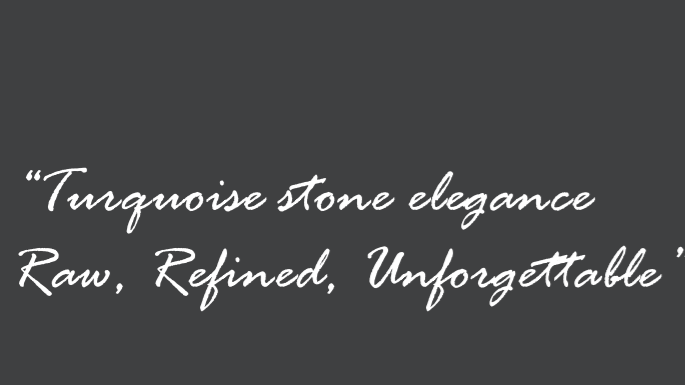
/03



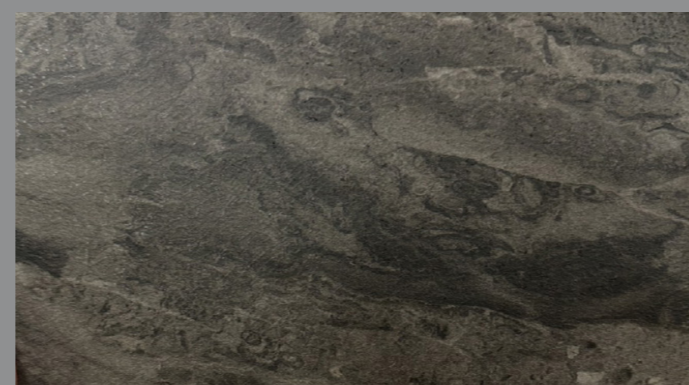
MFP 4034 CT
Amazon Blue Quartz

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/04

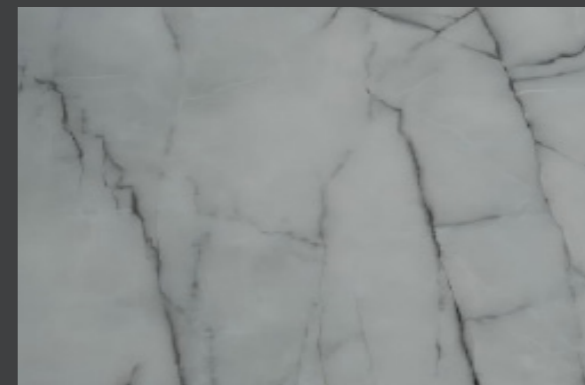


MFP 4032 CT
Fantoni Stone



MFP 4019 CT
Taupe Vein Stone

/04



MFP 4002 CT
Cloud Gray Marble



MFP 4023 CT
Rust Stone Vein

*"Turquoise stone elegance
Raw, Refined, Unforgettable"*

WOODEN
collection

*"Timeless Wood.
Limitless Design."*

Synchronize Wood

/01



MFP 3002 SC
Rimet Oak



MFP 3003 SC
Walnut Vein

/02



MFP 3001 SC
Honey Grain Oak

(A)



MFP 3006 SC
Morland Walnut

(B)

Synchronize Wood

/01



MFP 3000 SC
Nordic Oak



MFP 3007 SC
Night Morland Walnut

/02



MFP 3004 SC
Mocha Line Oak

(A)



MFP 3005 SC
Charcoal Ashwood

(B)

/01



MFP 1121 WP
Ivory Grain



MFP 1124 WP
Washed Oak



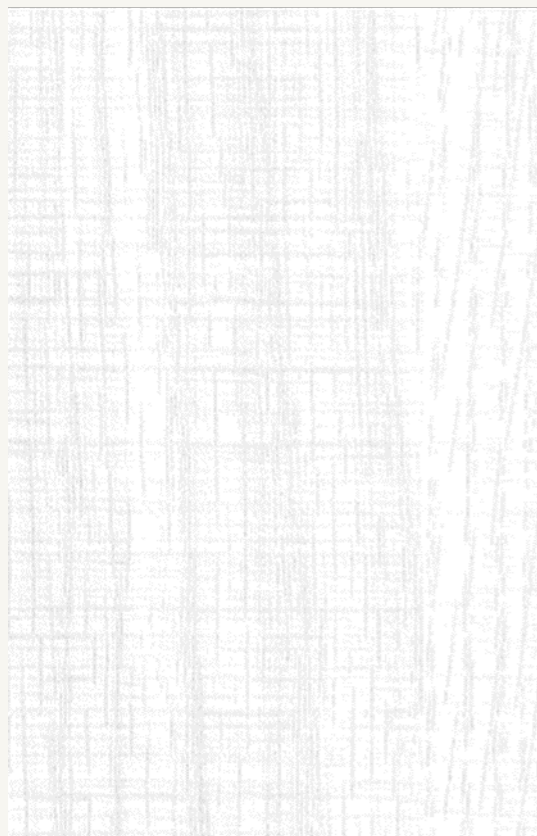
MFP 1053 WP
Honey Oak



MFP 1063 WG
Sandstone Oak

/01

/02



MFP 1120 WP
Frosted Elm

(A)



MFP 1125 WP
Creamy Oak

(B)



MFP 1129 WP
Golden Grove

(A)



MFP 1128 WP
Golden Hazel

(B)

/02

/01



MFP 1030 WP
Dual Birch



MFP 1031 WP
Ivory Timber



MFP 1034 WP
Silken Grain



MFP 1033 WP
Feather Oak

/01

/02



MFP 1042 WG
Cloud Elm

(A)



MFP 1032 WP
Pearlwood

(B)



MFP 1037 RL
Stonewash Oak

(A)



MFP 1038 WP
Linear Sand

(B)

/02

/01



MFP 1028 WP
Ivory Beech



MFP 1029 WP
Sandal Beech



MFP 1044 WP
Canvas Oak



MFP 1041 WP
Sunlit Ash

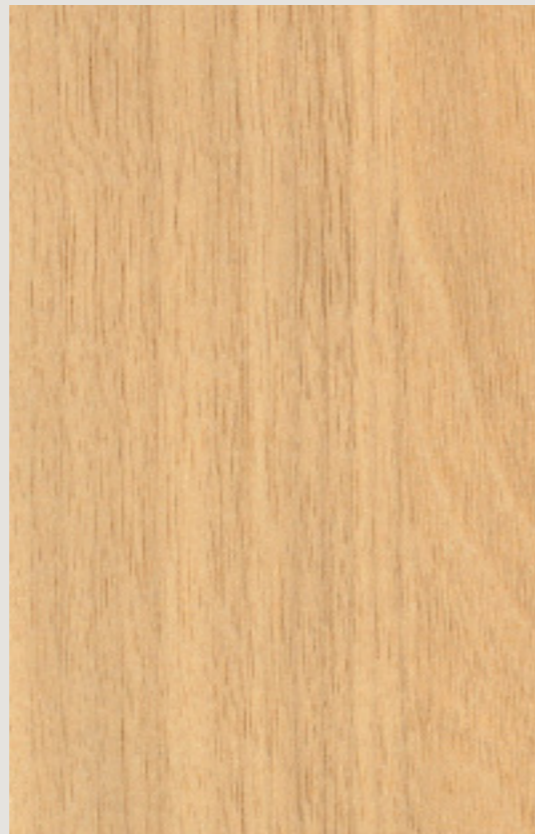
/01

/02



MFP 1039 WP
Nordic Breeze

(A)



MFP 1127 WG
Natural Maple

(B)



MFP 1049 WP
Nordic Sand

(A)



MFP 1045 WP
Bare Maple

(B)

/02

/01



MFP 1026 WP
Cloud Oak



MFP 1055 WP
Ash Dune



MFP 1035 WP
Drift Ash



MFP 1050 WP
Ash Drift

/01

/02



MFP 1046 WP
Willow Sand

(A)



MFP 1048 WG
Silverwood Veil

(B)



MFP 1051 WP
Ashen Driftwood

(A)



MFP 1059 WP
Frosted Oak

(B)

/02

/01



MFP 1122 WP
Crystal Veil



MFP 1024 RL
Ivory Maple



MFP 1023 WP
Almond Snow



MFP 1027 WP
Mist Ash

/01

/02



MFP 1025 RL
Frosted Maple

(A)



MFP 1043 WP
Weathered Oak

(B)



MFP 1056 WG
Driftwood Pearl

(A)



MFP 1057 WG
Dune Maple

(B)

/02

/01



MFP 1052 WP
Umber Driftwood



MFP 1058 WP
Urban Driftwood



MFP 1070 WP
Smoked Olivewood



MFP 1071 WP
Ebony Crest

/01

/02



MFP 1067 WG
Smoky Walnut

(A)



MFP 1054 WP
Taupe Oak

(B)



MFP 1069 WP
Espresso Linea

(A)



MFP 1068 WP
Espresso Strip

(B)

/02

/01



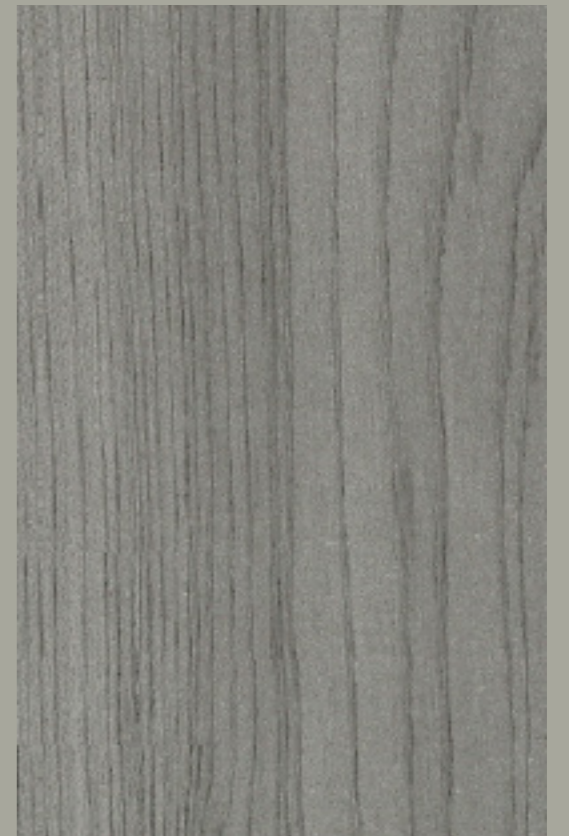
MFP 1064 WG
Golden Teakline



MFP 1126 WP
Sienna Oak



MFP 1131 WP
Smoky Elm



MFP 1060 WG
Steelwood Ash

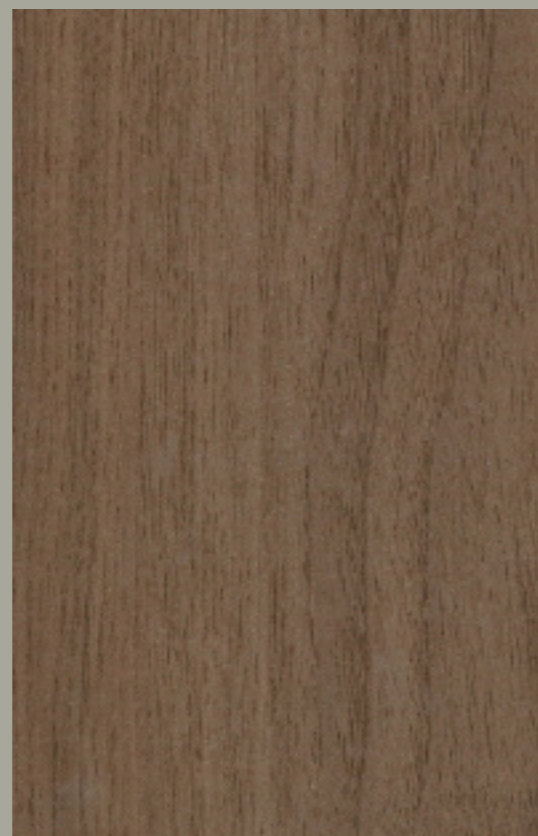
/01

/02



MFP 1065 WP
Amber Oak

(A)



MFP 1133 WP
Walnut Dusk

(B)



MFP 1061 WP
Urban Slate

(A)



MFP 1062 WP
Charcoal Ash

(B)

/02



PATTERN
collection
"Subtle Luxury in Every Layer"



MFP 1114 RL
Warm Greige



MFP 1113 RL
Mocha Linen

/01



MFP 1116 WP
Misty Slate

(A)



MFP 1118 WP
Olive Concrete

(B)

/02

INDEX

Mkt Code	Design Name	Group	Page	R	C
MFP 0028-U	Yellow	M	1	A	1
MFP 0029-U	Red	M	1	A	3
MFP 0030-U	Iconic Orange	M	1	A	2
MFP 0031-U	Green	M	1	A	4
MFP 0032-U	Ocean	M	1	A	5
MFP 0027-U	Jewelry Blue	M	1	A	6
MFP 0001-U	Bright White	M	2	B	2
MFP 0004-U	Snow White	M	2	B	3
MFP 0006-U	Cloud Drift	M	2	B	4
MFP 0011-U	Polar Ash	M	2	B	5
MFP 0003-U	Soft White	M	2	C	1
MFP 0023-U	Soft Moon	M	3	A	1
MFP 0024-U	Birch Silk	M	3	A	2
MFP 0012-U	Dusty	M	3	A	3
MFP 0025-U	Iron Gray	M	3	A	4
MFP 0017-U	Charcoal	M	3	A	5
MFP 0010-U	Beige	M	3	B	1
MFP 0008-U	Ivory Sand	M	3	B	2
MFP 0013-U	Cool Gray	M	3	B	3
MFP 0026-U	Luxury Gray	M	3	B	4
MFP 0018-U	Anthracite	M	3	B	5
MFP 0022-U	Taupe	M	3	C	1
MFP 0007-U	Sandstone	M	3	C	2
MFP 0009-U	Mocha Dust	M	3	C	3
MFP 0015-U	Olive Brown	M	3	C	4
MFP 0016-U	Earthy	M	3	C	5
MFP 0020-U	Concrete Gray	M	3	D	1
MFP 0014-U	Steel Gray	M	3	D	2
MFP 0021-U	Graphite	M	3	D	3
MFP 0019-U	Shadow Moss	M	3	D	4
MFP 0005-U	Black	M	3	D	5
PFP 2001-ST	Pure White	P	4	B	1
PFP 2003-ST	Creamy	P	4	B	2

Mkt Code	Design Name	Group	Page	R	C
PFP 2005-ST	Elegant Gray	P	4	B	3
PFP 2007-ST	Water Gray	P	4	B	4
PFP 2011-ST	Jeju Gray	P	4	B	5
PFP 2001-G	Pure White	P	4	A	1
PFP 2012-G	Graphite Black	P	4	A	2
PFP 2002-ST	Frosty White	P	4	C	1
PFP 2004-ST	Hyacinth Gray	P	4	C	2
PFP 2006-ST	Gentleman Gray	P	4	C	3
PFP 2010-ST	Dark Tile Gray	P	4	C	4
PFP 2012-ST	Graphite Black	P	4	C	5
PFP 2810-ST	Silver Aluminum	P	2	A	1
PFP 2811-ST	Graphite Aluminum	P	2	A	2
PFP 2812-ST	Gold Aluminum	P	2	A	3
MFP 4001-CT	Obsidian Vein	C	5	A	1
MFP 4035-CT	Verde Tinos Marble	C	5	A	2
MFP 4036-CT	Kunlun Stone Vein	C	5	A	3
MFP 4022-CT	Cloud White Marble	C	5	B	1
MFP 4020-CT	White Vein Marble	C	5	B	2
MFP 4021-CT	Arabescato Marble	C	5	B	3
MFP 4032-CT	Fantoni Stone	C	5	B	4
MFP 4003-CT	Alpine White Vein	C	5	C	1
MFP 4006-CT	Arctic White Marble	C	5	C	2
MFP 4005-CT	Calacatta Warm Vein	C	5	C	3
MFP 4019-CT	Taupe Vein Stone	C	5	C	4
MFP 4000-CT	Vivid Chevron	C	6	A	1
MFP 4004-CT	Smoky Gray Stone	C	6	A	2
MFP 4034-CT	Amazon Blue Quartz	C	6	A	3
MFP 4002-CT	Cloud Gray Marble	C	6	A	4
MFP 4023-CT	Rust Stone Vein	C	6	B	4
MFP 3002-SC	Rimet Oak	S	7	A	1
MFP 3001-SC	Honey Grain Oak	S	7	A	2
MFP 3003-SC	Walnut Vein	S	7	B	1
MFP 3006-SC	Morland Walnut	S	7	B	2

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Mkt Code	Design Name	Group	Page	R	C
MFP 3000-SC	Nordic Oak	S	8	A	1
MFP 3004-SC	Mocha Line Oak	S	8	A	2
MFP 3007-SC	Night Morland Walnut	S	8	B	1
MFP 3005-SC	Charcoal Ashwood	S	8	B	2
MFP 1121-WP	Ivory Grain	M	9	A	1
MFP 1120-WP	Frosted Elm	M	9	A	2
MFP 1124-WP	Washed Oak	M	9	B	1
MFP 1125-WP	Creamy Oak	M	9	B	2
MFP 1053-WP	Honey Oak	M	10	A	1
MFP 1129-WP	Golden Grove	M	10	A	2
MFP 1063-WG	Sandstone Oak	M	10	B	1
MFP 1128-WP	Golden Hazel	M	10	B	2
MFP 1030-WP	Dual Birch	M	11	A	1
MFP 1042-WG	Cloud Elm	M	11	A	2
MFP 1031-WP	Ivory Timber	M	11	B	1
MFP 1032-WP	Pearlwood	M	11	B	2
MFP 1034-WP	Silken Grain	M	12	A	1
MFP 1037-RL	Stonewash Oak	M	12	A	2
MFP 1033-WP	Feather Oak	M	12	B	1
MFP 1038-WP	Linear Sand	M	12	B	2
MFP 1028-WP	Ivory Beech	M	13	A	1
MFP 1039-WP	Nordic Breeze	M	13	A	2
MFP 1029-WP	Sandal Beech	M	13	B	1
MFP 1127-WG	Natural Maple	M	13	B	2
MFP 1044-WP	Canvas Oak	M	14	A	1
MFP 1049-WP	Nordic Sand	M	14	A	2
MFP 1041-WP	Sunlit Ash	M	14	B	1
MFP 1045-WP	Bare Maple	M	14	B	2
MFP 1026-WP	Cloud Oak	M	15	A	1
MFP 1046-WP	Willow Sand	M	15	A	2
MFP 1055-WP	Ash Dune	M	15	B	1
MFP 1048-WG	Silverwood Veil	M	15	B	2
MFP 1035-WP	Drift Ash	M	16	A	1

Mkt Code	Design Name	Group	Page	R	C
MFP 1051-WP	Ashen Driftwood	M	16	A	2
MFP 1050-WP	Ash Drift	M	16	B	1
MFP 1059-WP	Frosted Oak	M	16	B	2
MFP 1122-WP	Crystal Veil	M	17	A	1
MFP 1025-RL	Frosted Maple	M	17	A	2
MFP 1024-RL	Ivory Maple	M	17	B	1
MFP 1043-WP	Weathered Oak	M	17	B	2
MFP 1023-WP	Almond Snow	M	18	A	1
MFP 1056-WG	Driftwood Pearl	M	18	A	2
MFP 1027-WP	Mist Ash	M	18	B	1
MFP 1057-WG	Dune Maple	M	18	B	2
MFP 1052-WP	Umber Driftwood	M	19	A	1
MFP 1067-WG	Smoky Walnut	M	19	A	2
MFP 1058-WP	Urban Driftwood	M	19	B	1
MFP 1054-WP	Taupe Oak	M	19	B	2
MFP 1070-WP	Smoked Olivewood	M	20	A	1
MFP 1069-WP	Espresso Linea	M	20	A	2
MFP 1071-WP	Ebony Crest	M	20	B	1
MFP 1068-WP	Espresso Strip	M	20	B	2
MFP 1064-WG	Golden Teakline	M	21	A	1
MFP 1065-WP	Amber Oak	M	21	A	2
MFP 1126-WP	Sienna Oak	M	21	B	1
MFP 1133-WP	Walnut Dusk	M	21	B	2
MFP 1131-WP	Smoky Elm	M	22	A	1
MFP 1061-WP	Urban Slate	M	22	A	2
MFP 1060-WG	Steelwood Ash	M	22	B	1
MFP 1062-WP	Charcoal Ash	M	22	B	2
MFP 1114-RL	Warm Greige	M	23	A	1
MFP 1116-WP	Misty Slate	M	23	A	2
MFP 1113-RL	Mocha Linen	M	23	B	1
MFP 1118-WP	Olive Concrete	M	23	B	2

HYBRID INNOVATION BOARD

TECHNICAL DATA

Both Plywood & Blockboard are Super E0 certified ultra-low formaldehyde, safe for health.

Plywood: higher MOR, MOE, density superior structural strength, suitable for heavy-duty & load-bearing applications.

Blockboard: lighter weight, good screw-holding easier to work with, ideal for furniture and partitions.

Both: premium melanate surface, scratch-resistant, long-lasting beauty.

FINISHED	ENGINEERED MELANATE	ELITE MELANATE PRO (ANTI-FINGERPRINT)	ELITE MELANATE PRO GLOSS
ABRASION CYCLES DIN EN 13329	1000	2400	3400

PLYWOOD-BLOCKBOARD

PROPERTY	UNIT	MFP	MFB
		PLYWOOD (EUCALYPTUS CORE)	BLOCKBOARD (GOLDEN FIR CORE)
MOISTURE CONTENT	%	7.41	9.48
MOR (MODULUS OF RUPTURE)	MPa	64.25	35.16
MOE (MODULUS OF ELASTICITY)	MPa	6,996	5,207
DENSITY	kg/m ³	599	443
THICKNESS SWELLING (24H)	%	2.27	3.22
SCREW WITHDRAWAL – FACE	N	1,132	1,048
SCREW WITHDRAWAL – EDGE	N	904	863
FORMALDEHYDE EMISSION <small>(Tested under controlled laboratory conditions)</small>	mg/100g (ODB)	0.62	2.69
ADHESIVE STANDARD	-	Super E0 (≤2.7)	Super E0 (≤2.7)

ALUMINIUM HONEYCOMB

PRODUCT NAME	PAHS	PAHW	PAH
	Aluminium SPC Honeycomb Panel	Aluminium Woodcore Honeycomb Panel	Pure Aluminium Honeycomb Panel
MATERIAL COMPOSITION	<ul style="list-style-type: none"> A3 Honeycomb Core Top & Bottom Fire - Retardant Polymer Layers (SPC) Surface Coating Layer 	<ul style="list-style-type: none"> A2 Honeycomb Core Eucalyptus Wood Layers Top & Bottom Fire-Retardant Polymer Layers (SPC) Surface Coating Layer 	<ul style="list-style-type: none"> A3 Honeycomb Core Top & Bottom Adhesive Layers Aluminium Alloy Sheets Surface Coating Layer
SURFACE	Melanate Pro Surface		
SIZE	4x8 ft/4x9 ft		
FORMALDEHYDE EMISSION <small>(Tested under controlled laboratory conditions)</small>	0.006 mg/m ³ (Super E0)		
ADHESIVE	ENF		
THICKNESS	6, 10,15, 18 mm	18 mm	6, 9, 10, 15, 18 mm
DENSITY	A3	A2	A3
FIRE RATING	B1	B1	A2
KEY FEATURES	Lightweight with high strength	Solid structure, strong screw holding, easy installation, sound insulation	Lightweight with high structural strength



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