



BE BOLD

FORMICA GLOBAL SERIES 2017 - 18

REGISTERED OFFICE & PLANT
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www.formica-india.com

#TheGlobelsHere

BE
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Based in New Zealand, Fletcher Building is an integrated manufacturer of world-leading building and construction products and services

Formica group, which is part of Fletcher Building, is world's largest manufacturer of High Pressure Laminates (HPL) and leading provider of branded, designed surfacing solutions for commercial and residential customers worldwide

The never-ending journey of Formica has led to many innovations, creating decorative surfaces for every desire, transforming spaces for over 100 years

Formica's in-house research and design teams worked with industry experts from across the globe to create a unique product range defined under the Global Series

Formica introduces next generation of laminate surfacing, with all new feel of globally acclaimed finishes & designs for the modern spaces

Formica exclusively offers :

180 fx Designs - Revolutionary true to scale stone design

Reclaimed Denim Fiber Design - With real denim embedded in paper

Honed Finish - True to be Stone

Jeans Finish - For the Denim feel

Natural Finishes - Number of wood finishes complementing different type of wood surfaces

With the launch of the Global Series in India, Formica is committed to provide premium interior solutions, leaving everlasting impressions!

FORMICA
GLOBAL
SERIES
2017-18





The 'Original Inventor'
with 100 years of
innovation and excellence.



State-of-the-art Laminate
manufacturing unit at
Kalol, Gujarat.



FORMICA INDIA is a
Power Building
Brand 2016

FORMICA INDIA

Original Inventor of Laminate, Formica has achieved a strong and steady presence in the Indian market over the years. Headquartered in Delhi, Formica India boasts of colossal and hi-tech manufacturing plant in Kalol, Ahmedabad. The plant meets global manufacturing excellence accompanied by a brilliant nationwide distribution system and a team of dedicated partners and work force.

Working closely with architects, designers and developers, the company is strategically positioned to offer new products and surfacing solutions that complement current design trends. The ongoing product design and development process underlines company's commitment to innovation.

Formica has created a huge range of laminates for all interiors & exteriors without compromising on looks, performance and safety.



Gujarat is one of the well-developed industrialized states with significant contribution in industrial as well as economic growth of the country. FORMICA INDIA has established a hi-tech manufacturing plant in Kalol in Gujarat.



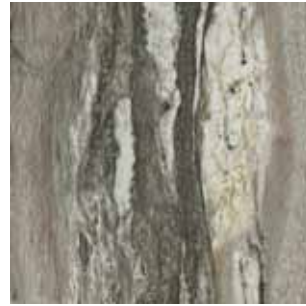
FINISHES



Jeans (JN)



Honed (H)



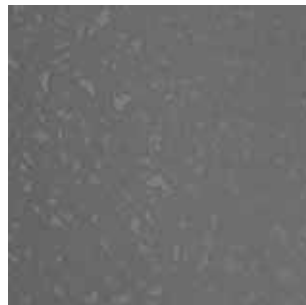
Gloss (G)



Linium (LM)



Chalk (CK)



Prismatic (PR)



Truewood (TW)



Drygrain (D8)



Naturelle (NT)



Naturalgrain (NG)



Sawcut (ST)



Ultra Matt Finish (UM)



Suede Finish (SF)

Similar to Formica Global **Matt 58™** finish

- NOTE: For long life of the surface, laminates with non - suede finish are recommended for vertical interior applications.
- Application pictures used in this sample folder are purely suggestive in nature, showing the end use of the laminates leaving the potential of laminate use to many more possibilities. Color of the laminate designs used in the pictures may not match with samples pasted due to the limitation of printing.



JEANS FINISH (JN)

A seamless diagonal threading finish with the feel of a high-grade denim fabric



#TheGlobelsHere

THE AWARD WINNING LAMINATE THAT SPEAKS GLOBAL LANGUAGE



reddot design award
winner 2017

Internationally recognised quality label for excellent design.

9271 Reclaimed Denim Fiber laminate in
Jeans finish (JN), a typical denim diagonal
twill that adds true-to-touch realism with a
directional texture

ORIGINAL INVENTOR OF LAMINATE

introducing
FORMICA GLOBAL SERIES
BE INSPIRED. BE DEFINED.



JEANS FINISH (JN)



PATTERNS



Laminate used on the wall is 9271 Reclaimed Denim Fiber (JN)



The "Original Inventor"
with 100 years of innovation
and excellence.



Formica Group is a part of
Fletcher Building Company.
www.fbu.com



State-of-the-art Laminat
manufacturing unit at Kalol,
Gujarat.

www.formica-india.com

9271 | Reclaimed Denim Fiber (JN)



JEANS FINISH (JN)



PATTERNS



8814 | Denim Twill (JN)



JEANS FINISH (JN)

PATTERNS



8826 | Neutral Twill (JN)



HONED™ FINISH (H)

This low-sheen finish has subtle clefts and crevices that mimic the distinctive tactile appeal of stone. Gives the 180FX™ granite patterns the true stone finish.





HONED™ FINISH (H)

180 FX™



3423 | Travertine Gold (H)



180 FX™



3458 | Travertine Silver (H)



HONED™ FINISH (H)

180 FX™



6417 | Elemental Oxide (H)



180 FX™



8830 | Elemental Concrete (H)



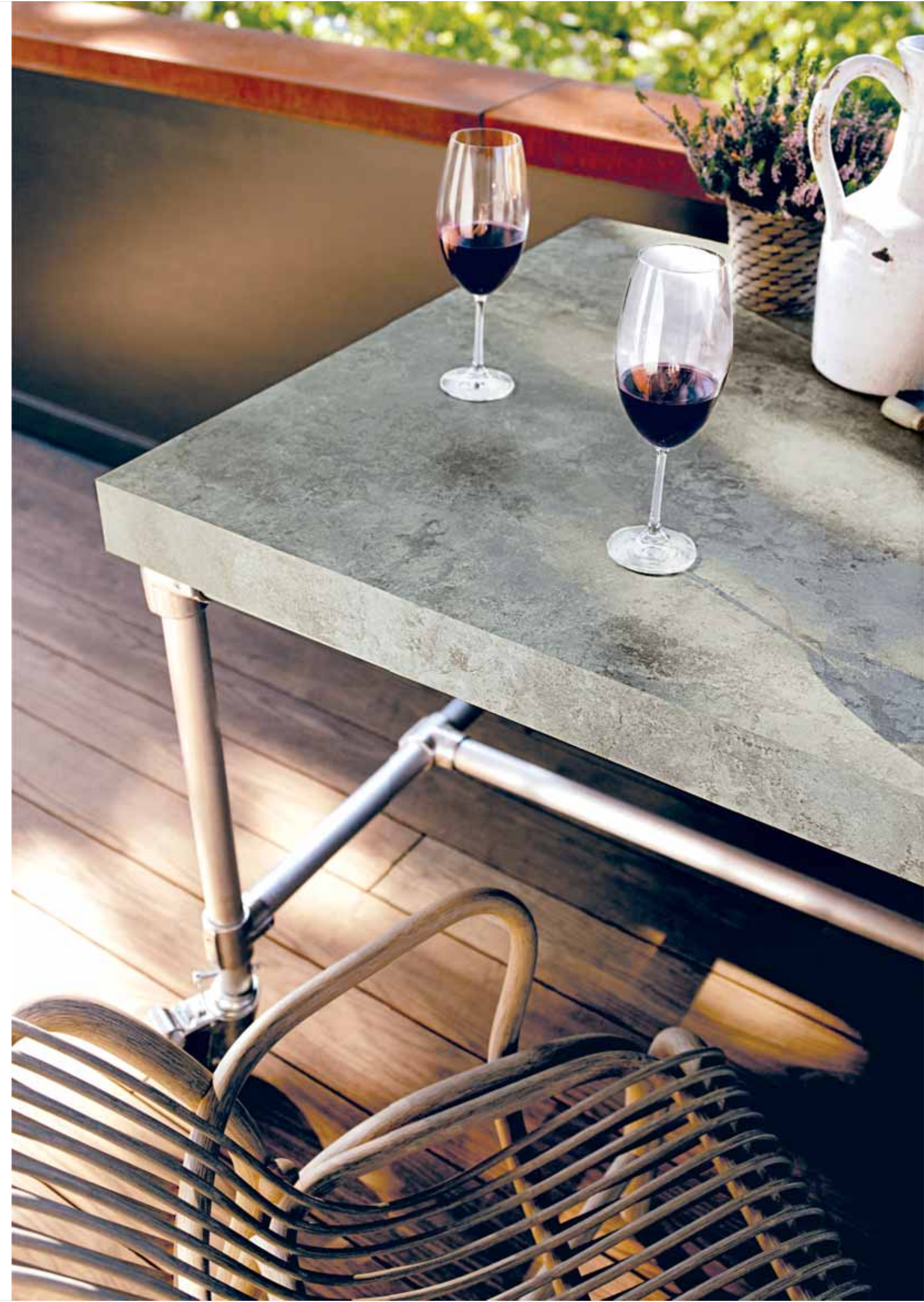
HONED™ FINISH (H)



180 FX™



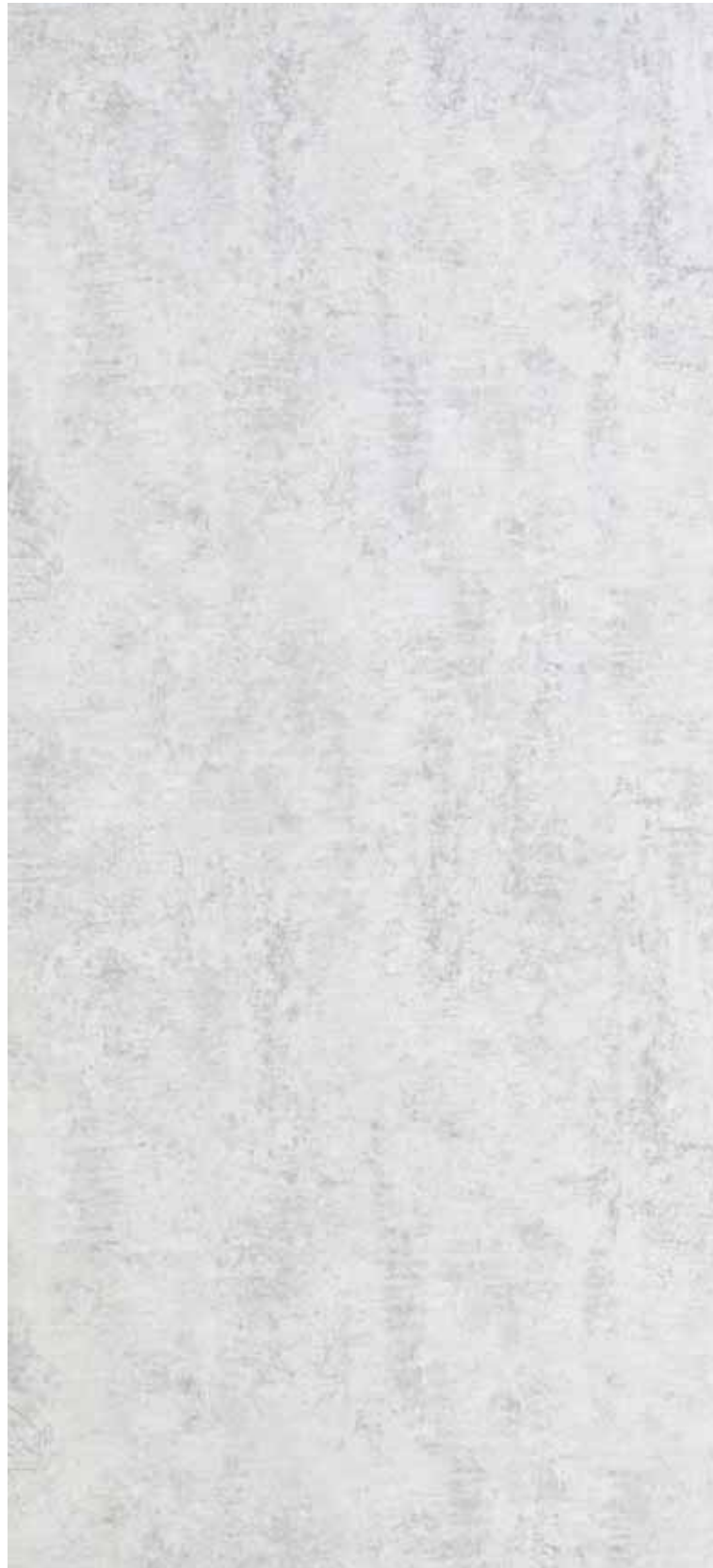
6317 | Weathered Cement (H)





HONED™ FINISH (H)

180 FX™



6363 | Elemental Ash (H)



GLOSS FINISH (G)

Also referred as DGL

A high gloss finish ideal for applications that require maximum smoothness and reflectance





GLOSS FINISH (G)

180 FX™



9481 | Strata Olympica (G)

180 FX™



3420 | Dolce Vita (G)



GLOSS FINISH (G)

180 FX™



6320 | Black Fusion (G)



LINUM FINISH (LM)

A low gloss woven finish with fine details excellent for natural fabric visuals





LINUM FINISH (LM)

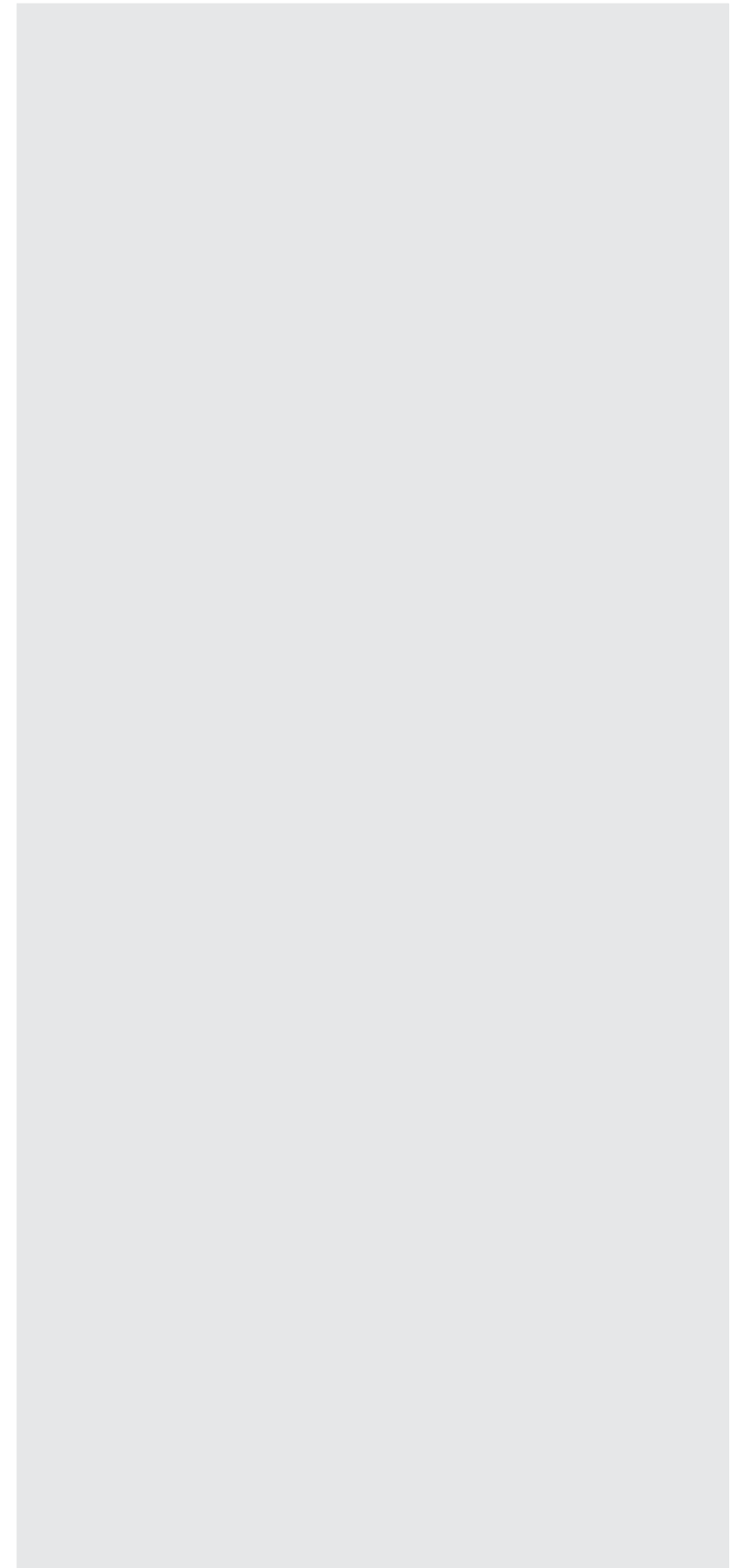
PATTERNS



8826 | Neutral Twill (LM)



PATTERNS



8828 | Earthen Twill (LM)



LINUM FINISH (LM)

PATTERNS

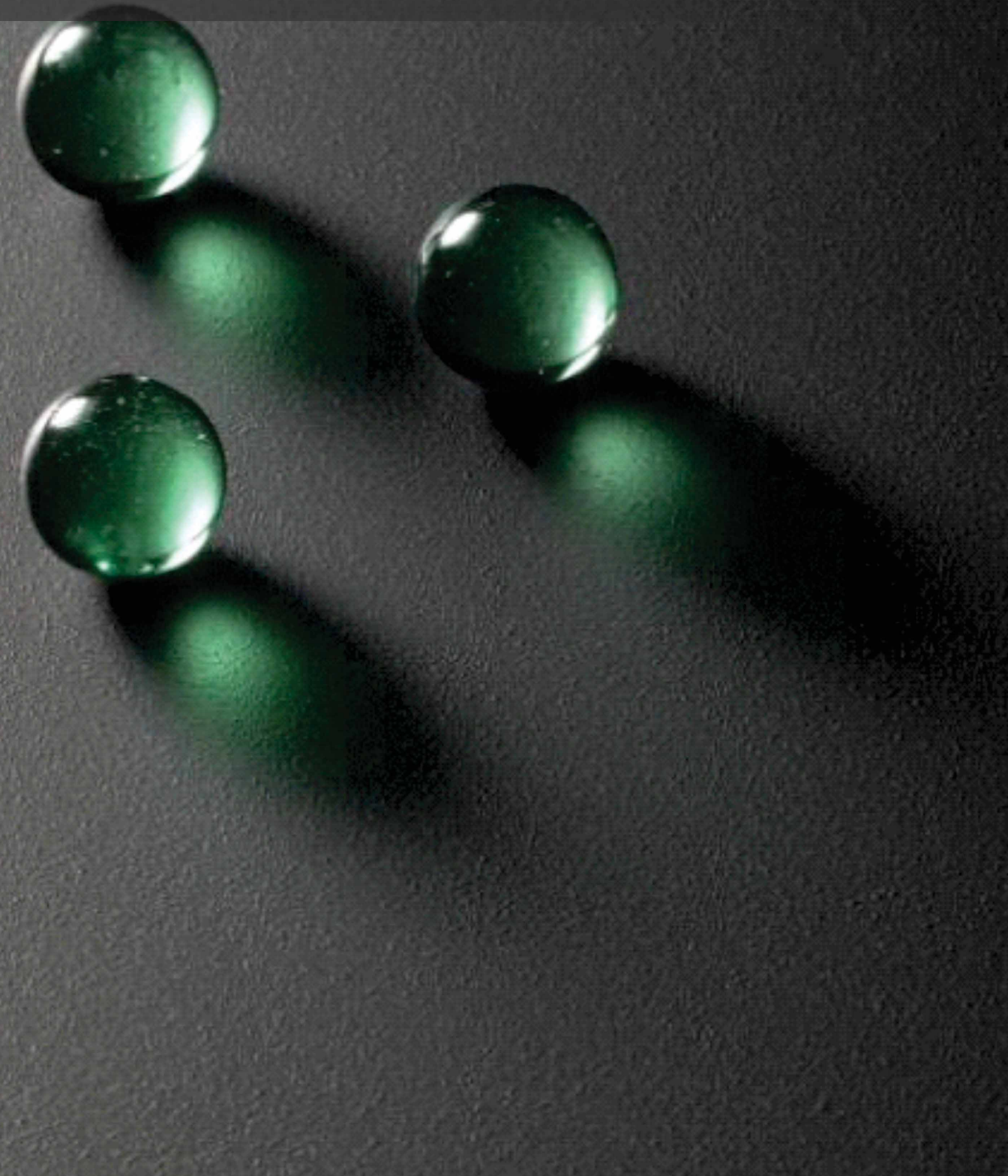


9271 | Reclaimed Denim Fiber (LM)



CHALK FINISH (CK)

A low gloss, rough-to-the-touch, sanded finish that enhances the wood look and soft pastel colours





CHALK FINISH (CK)

PATTERNS



7813 | Cardboard Solidz (CK)



PATTERNS



7814 | Chalk Solidz (CK)



CHALK FINISH (CK)

PATTERNS



3505 | Storm Solidz (CK)

WOODGRAINS



6437 | Chalked Knotty Ash (CK)



CHALK FINISH (CK)

WOODGRAINS

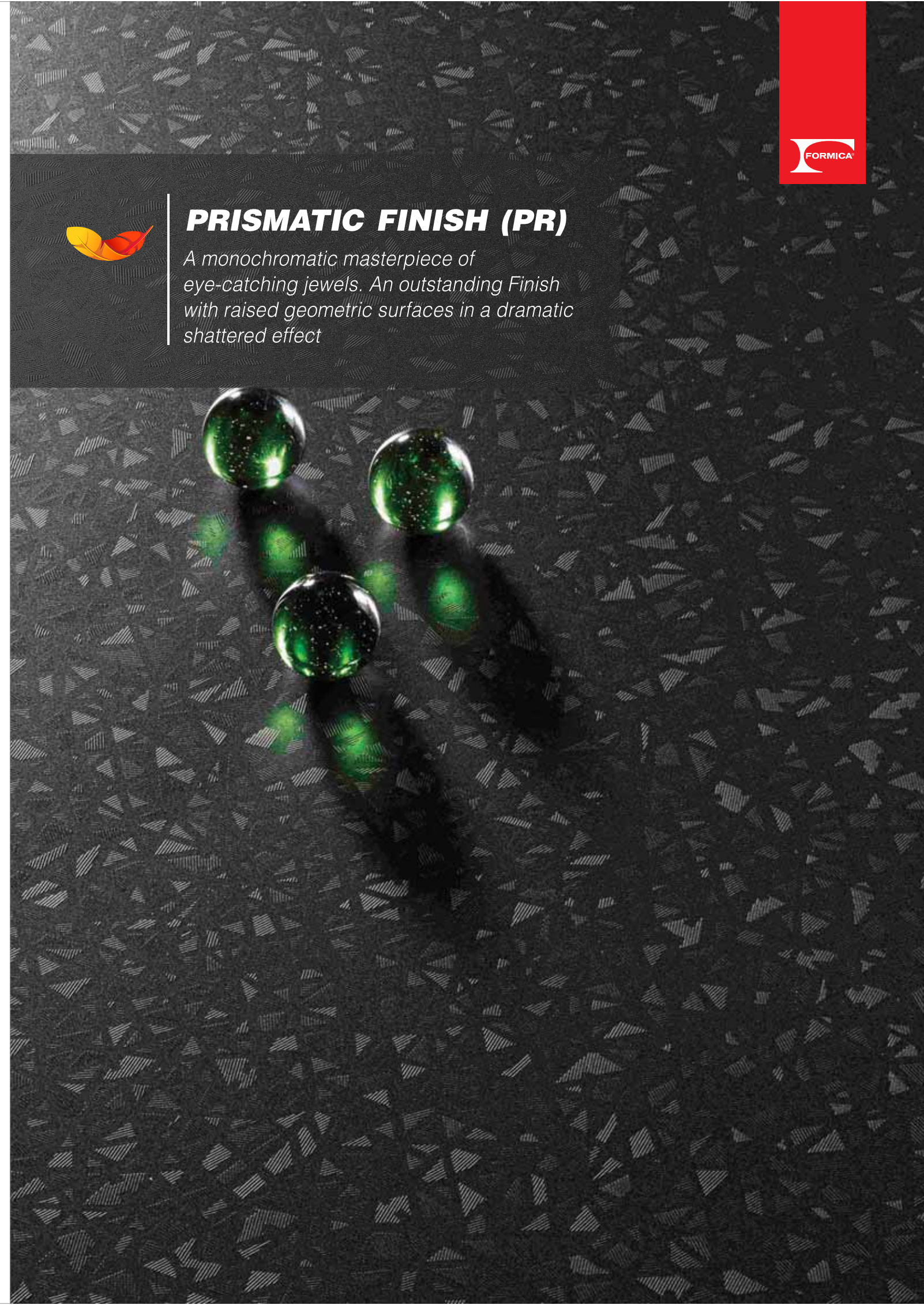


6439 | Sanded Knotty Ash (CK)



PRISMATIC FINISH (PR)

A monochromatic masterpiece of eye-catching jewels. An outstanding Finish with raised geometric surfaces in a dramatic shattered effect





PRISMATIC FINISH (PR)

SOLID COLOURS



0459 | Brite White (PR)



SOLID COLOURS



0806 | Battalon (PR)



PRISMATIC FINISH (PR)

SOLID COLOURS



0912 | Storm (PR)



TRUEWOOD FINISH (TW)

A realistic wood grain finish with growth rings, knots and ribbon grains typical of age-old forest heartwood in stunning and luxurious timbre lustre





TRUEWOOD FINISH (TW)

SOLID COLOURS



3200 | Ultra White (TW)



SOLID COLOURS



0806 | Battalon (TW)



TRUEWOOD FINISH (TW)

PEARLESCENT



7157 | Cosmic Dawn (TW)



DRYGRAIN FINISH (D8)

Pure and natural in its matt finish. Drygrain is elegantly etched with irregular linear finish while retaining the full glory of its woodgrains in the most authentic way





DRYGRAIN FINISH (D8)

WOODGRAINS



8902 | White Painted Wood (D8)





DRYGRAIN FINISH (D8)

WOODGRAINS



6406 | Mocha Elm (D8)



NATURELLE™ FINISH (NT)

Our Naturelle™ finish has a dry-wax appearance and an embossed “ticking” finish for a realistic grain effect. Naturelle™ is ideal for any surface where you desire the character of wood, but need the easy-care attributes of laminate.





NATURELLE™ FINISH (NT)

WOODGRAINS



6053 | Chalet Oak (NT)



WOODGRAINS



6401 | Natural Walnut (NT)



NATURELLE™ FINISH (NT)

WOODGRAINS



6402 | Thermo Walnut (NT)





NATURELLE™ FINISH (NT)

WOODGRAINS



6052 | Cottage Oak (NT)



NATURALGRAIN FINISH (NG)

A low luster finish featuring small evenly spaced wood pore details excellent to enhance modern veneer and cathedral wood looks

B





NATURALGRAIN FINISH (NG)

WOODGRAINS



9479 | Wide Planked Walnut (NG)

WOODGRAINS



5372 | Vintage Wood (NG)





NATURALGRAIN FINISH (NG)

WOODGRAINS



6058 | Bark Microplank (NG)



WOODGRAINS



5373 | Nocturne Wood (NG)



NATURALGRAIN FINISH (NG)

WOODGRAINS



8904 | Silvered Timberworks (NG)

WOODGRAINS



6318 | Timberworks (NG)



NATURALGRAIN FINISH (NG)

WOODGRAINS



8903 | Limed Timberworks (NG)



SAWCUT FINISH (ST)

Endowed with captivating patterns, Sawcut finish glows with an immediate rough charm and rustic feel that are hard to resist. Its striking resemblance to the intriguing cross-chatter of sawn lumber seen in the first stages of timber processing further elevates its rustic charm to a whole new level





SAWCUT FINISH (ST)

WOODGRAINS



6410 | Weathered Beamwood (ST)



WOODGRAINS



9484 | Oxidized Beamwood (ST)



SAWCUT FINISH (ST)

WOODGRAINS



6362 | Concrete Formwood (ST)

WOODGRAINS



7670 | Thai Beamwood (ST)



SAWCUT FINISH (ST)

WOODGRAINS



8853 | Rural Oak (ST)



WOODGRAINS



8854 | Alabaster Oak (ST)



SAWCUT FINISH (ST)

WOODGRAINS



9480 | Salvage Planked Elm (ST)



ULTRA MATT FINISH (UM)

*A usually smooth granular even surface,
add elegance to spaces and other decorative
projects eliminating glossy sheen*





ULTRA MATT FINISH (UM)

AFROMOSIA



0860 | Blond Afromosia (UM)



AFROMOSIA



0861 | Olive Afromosia (UM)



ULTRA MATT FINISH (UM)

AFROMOSIA



0862 | Cherry Afromosia (UM)

WALNUT



5150 | American Walnut (UM)





ULTRA MATT FINISH (UM)

WALNUT



5486 | Classic Walnut (UM)





ULTRA MATT FINISH (UM)

WALNUT



5997 | Silent Walnut (UM)



SUEDE FINISH (SF)

Celebrating the natural beauty of wood, including subtle timeless classics, exotic woodgrain species with nostalgic retro feel. All combined with suede tactile surface finish





SUEDE FINISH (SF)

LEGNO



8845 | Bleached Legno



LEGNO



8847 | Jarrah Legno



SUEDE FINISH (SF)

LEGNO



8846 | Oiled Legno



LEGNO



8848 | Blackened Legno



SUEDE FINISH (SF)

ASH



8842 | Weathered Ash



ASH



8843 | Natural Ash



SUEDE FINISH (SF)

ASH



8844 | Aged Ash

ASH



5483 | Mocca Firwood





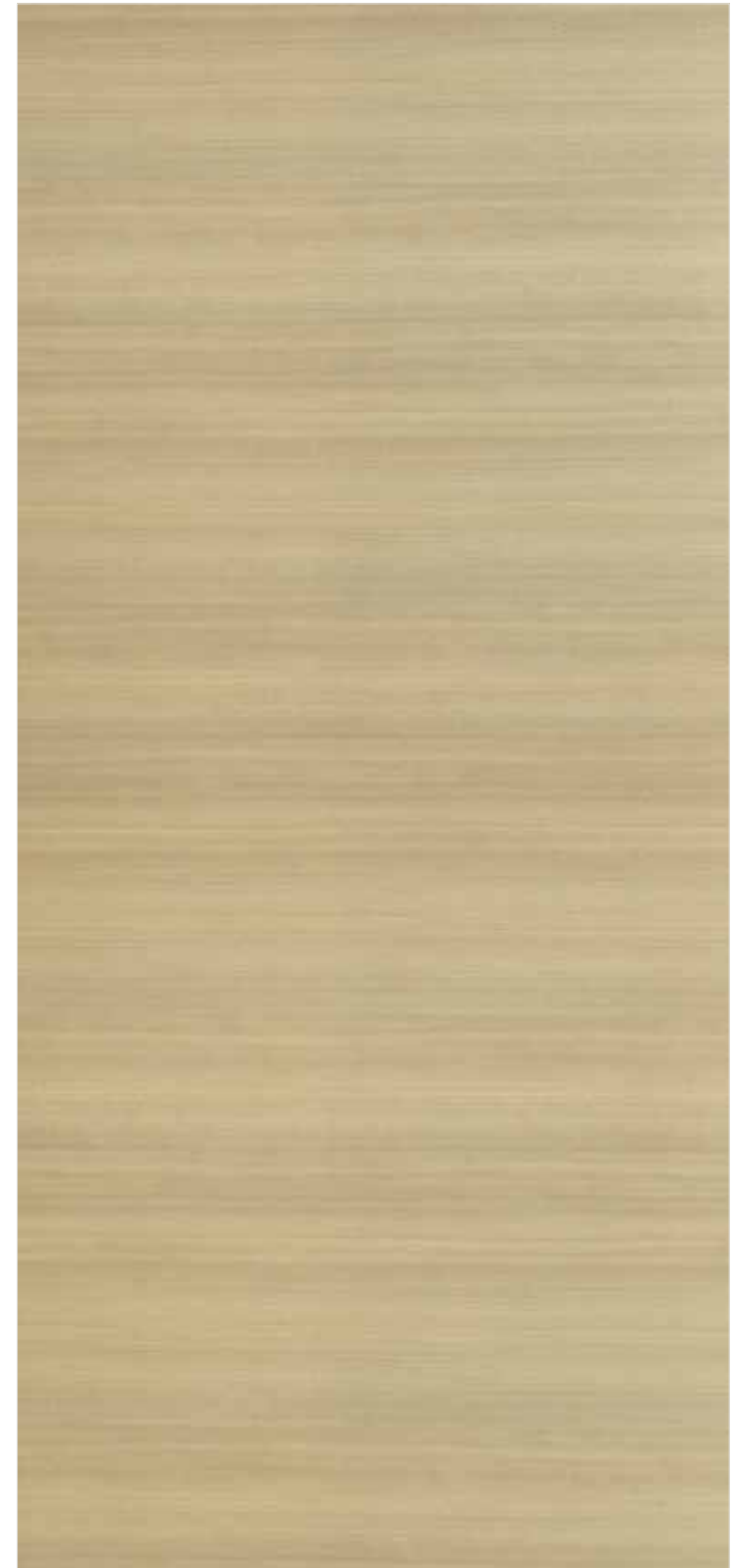
SUEDE FINISH (SF)

ASH



5263 | Carbon Ash

ASH



5261 | Sandy Sakura



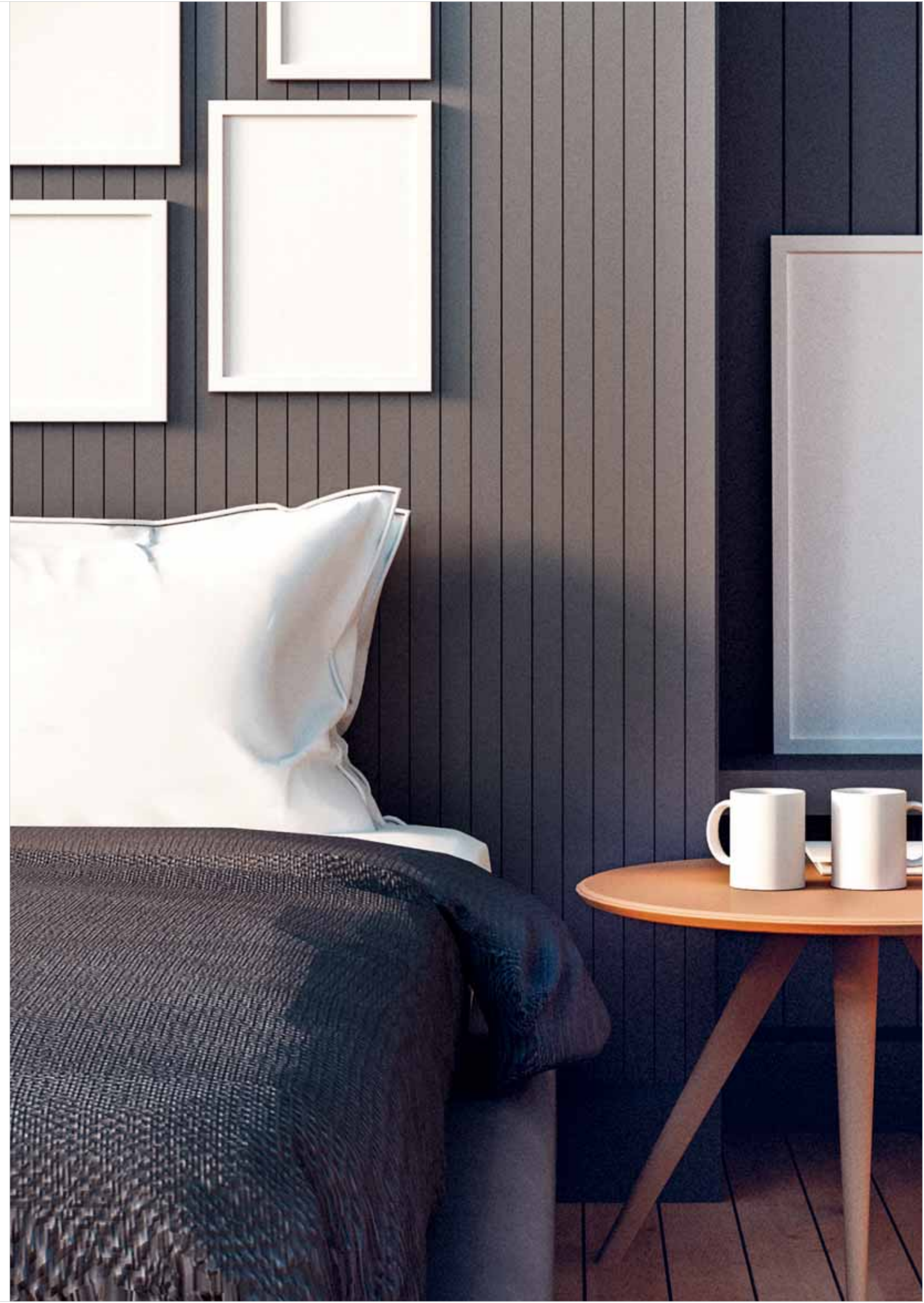


SUEDE FINISH (SF)

ASH



5262 | White Sakura





SUEDE FINISH (SF)

ASH



5264 | Gracious Sakura



ANNIVERSARY COLLECTION

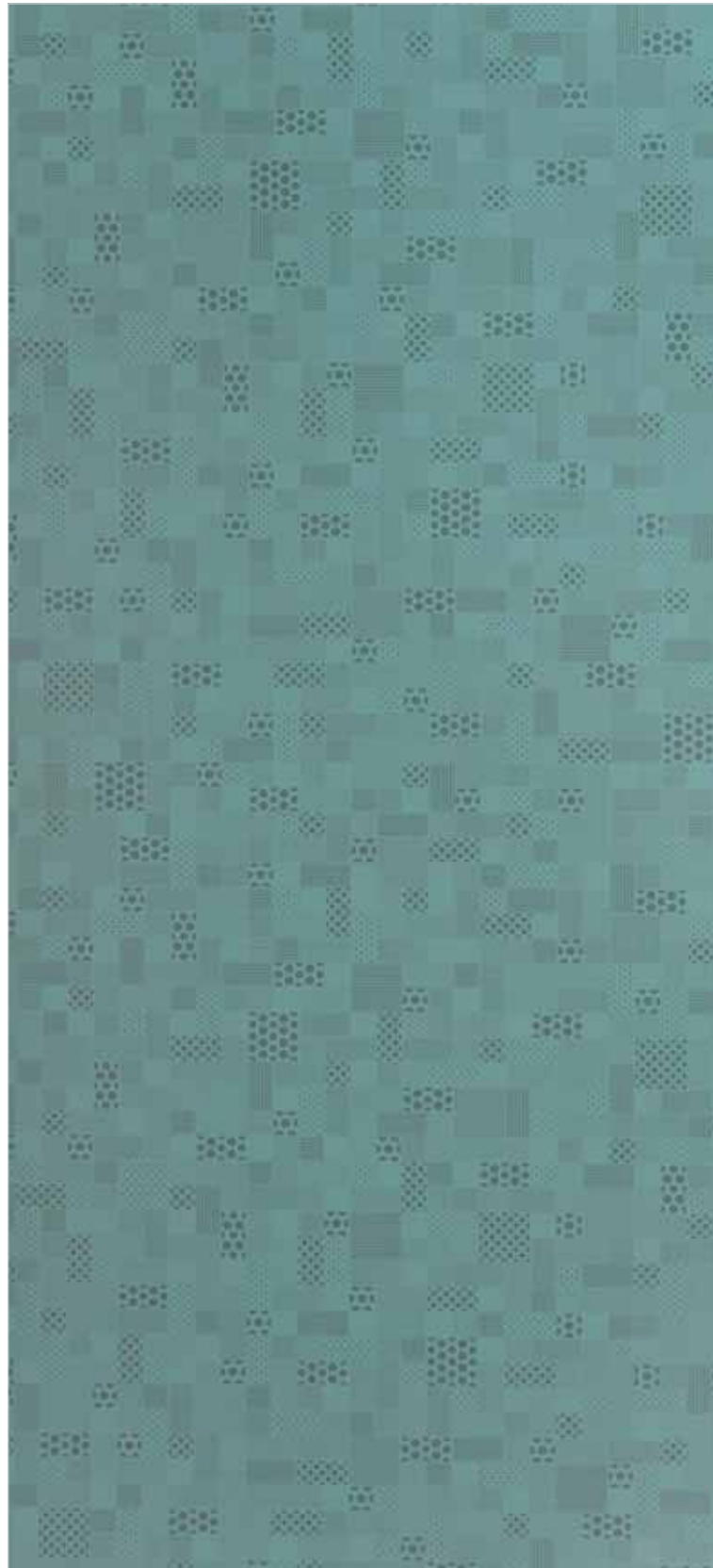
The Anniversary Collection has been created by Abbot Miller at Pentagram, to celebrate 100 years of Formica. The fresh take on iconic laminates have been defined as Ellipse™ Collection, Endless™ Collection, Dotscreen™ Collection and Halftone™ Collection.





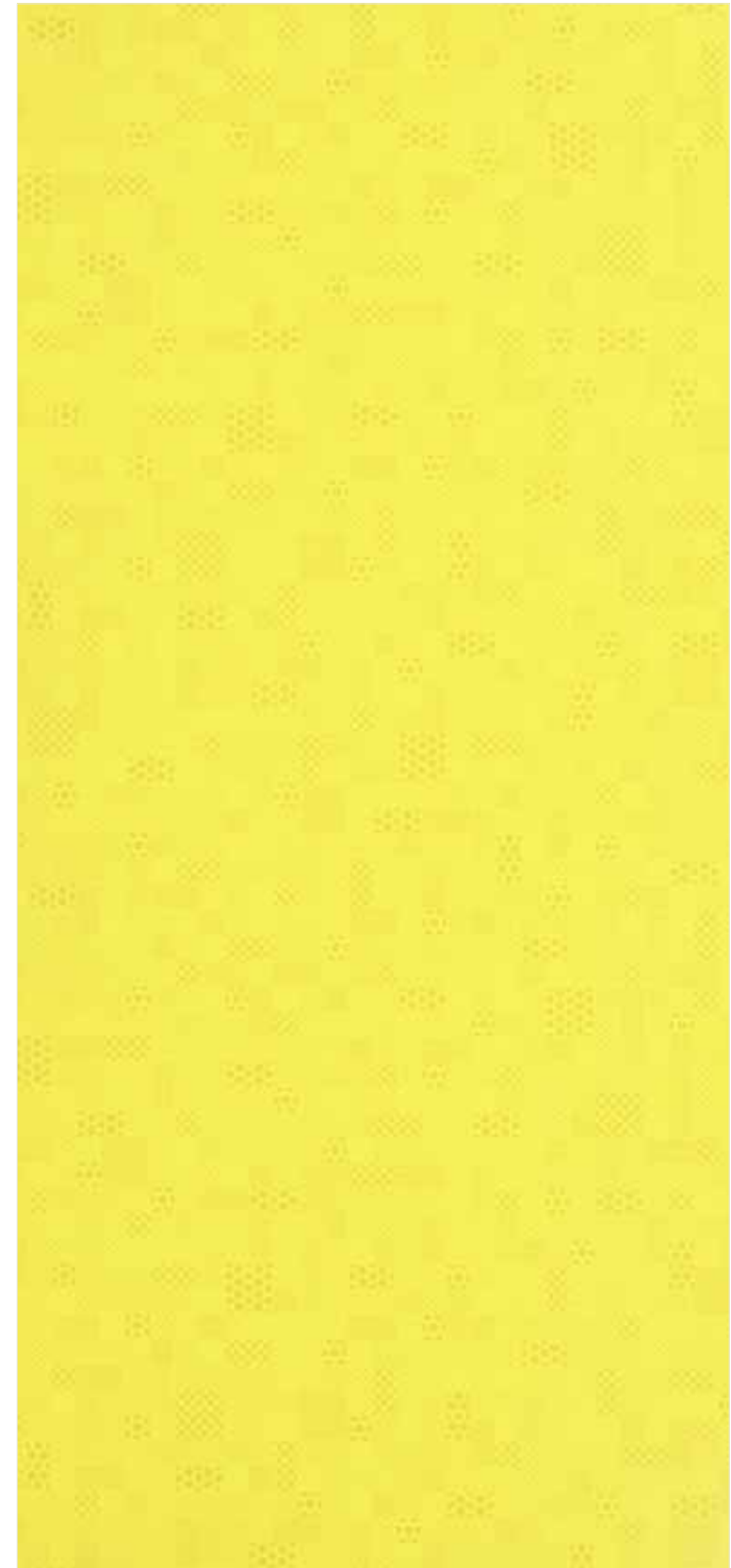
PARTICLE FINISH (PL)

HALFTONE COLLECTION



6618 | Blueberry Halftone (PL)

HALFTONE COLLECTION

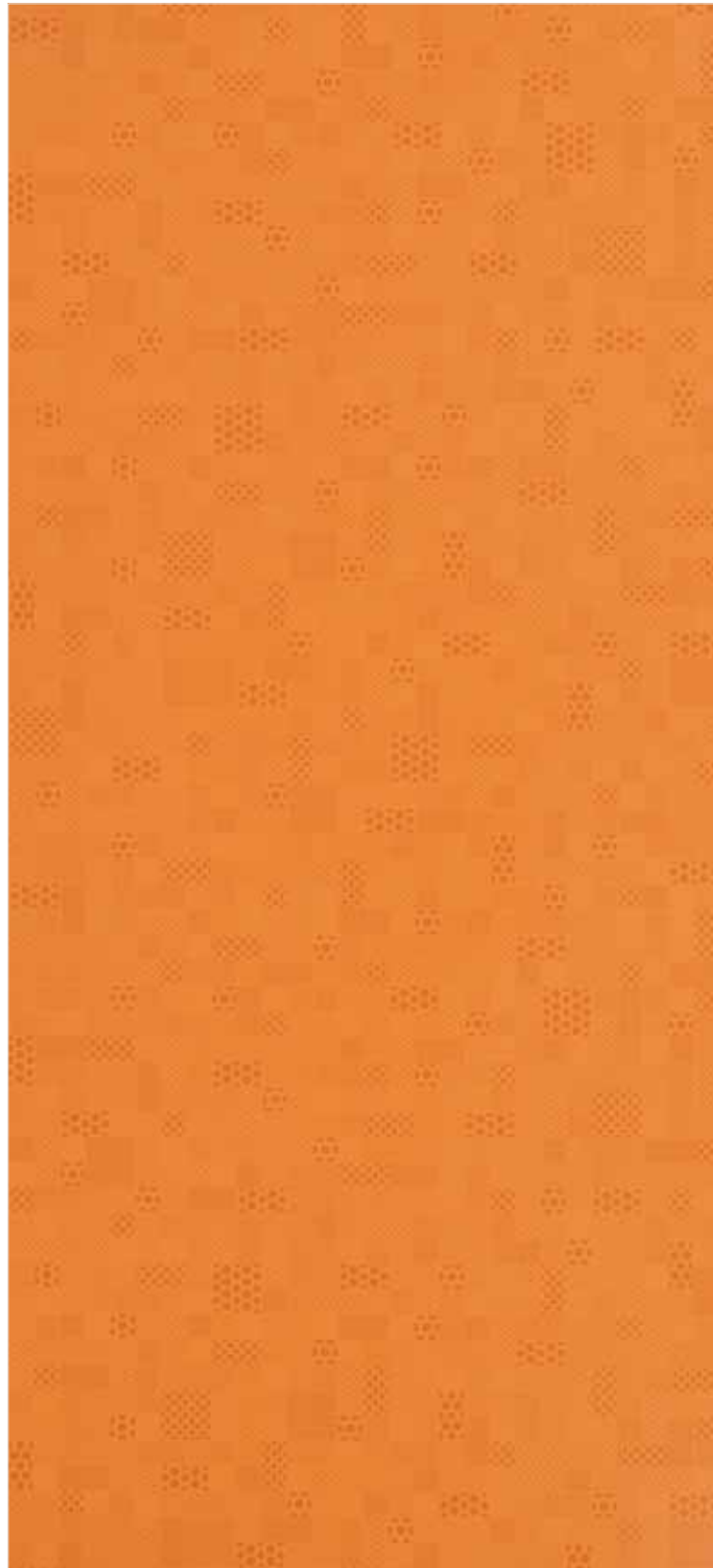


6619 | Citrus Halftone (PL)



PARTICLE FINISH (PL)

HALFTONE COLLECTION



6620 | Tangelo Halftone (PL)



SUEDE FINISH (SF)

ENDLESS COLLECTION



6612 | Endless Indigo





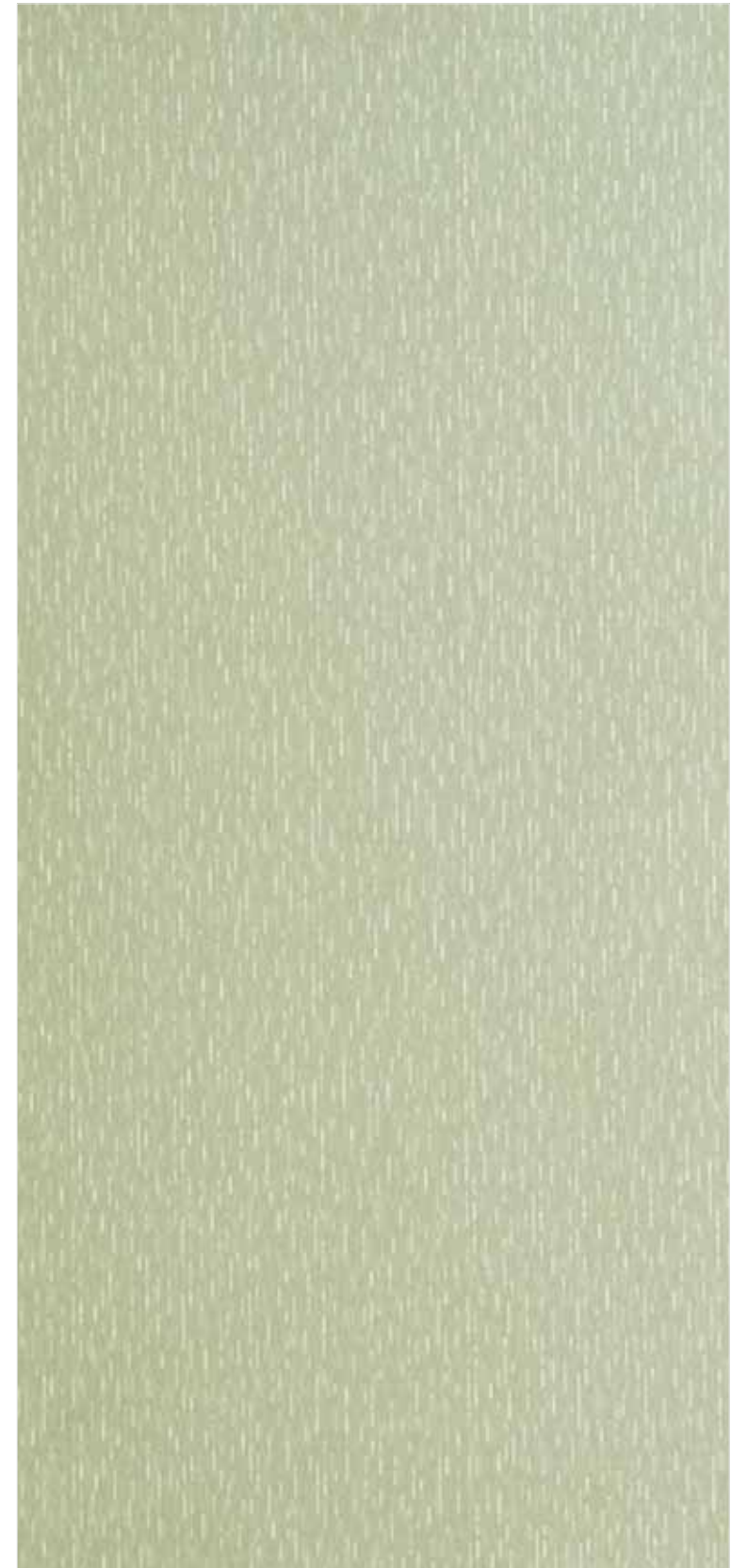
SUEDE FINISH (SF)

ENDLESS COLLECTION



6611 | Endless Smoke

ENDLESS COLLECTION



6610 | Endless Graytone





SUEDE FINISH (SF)

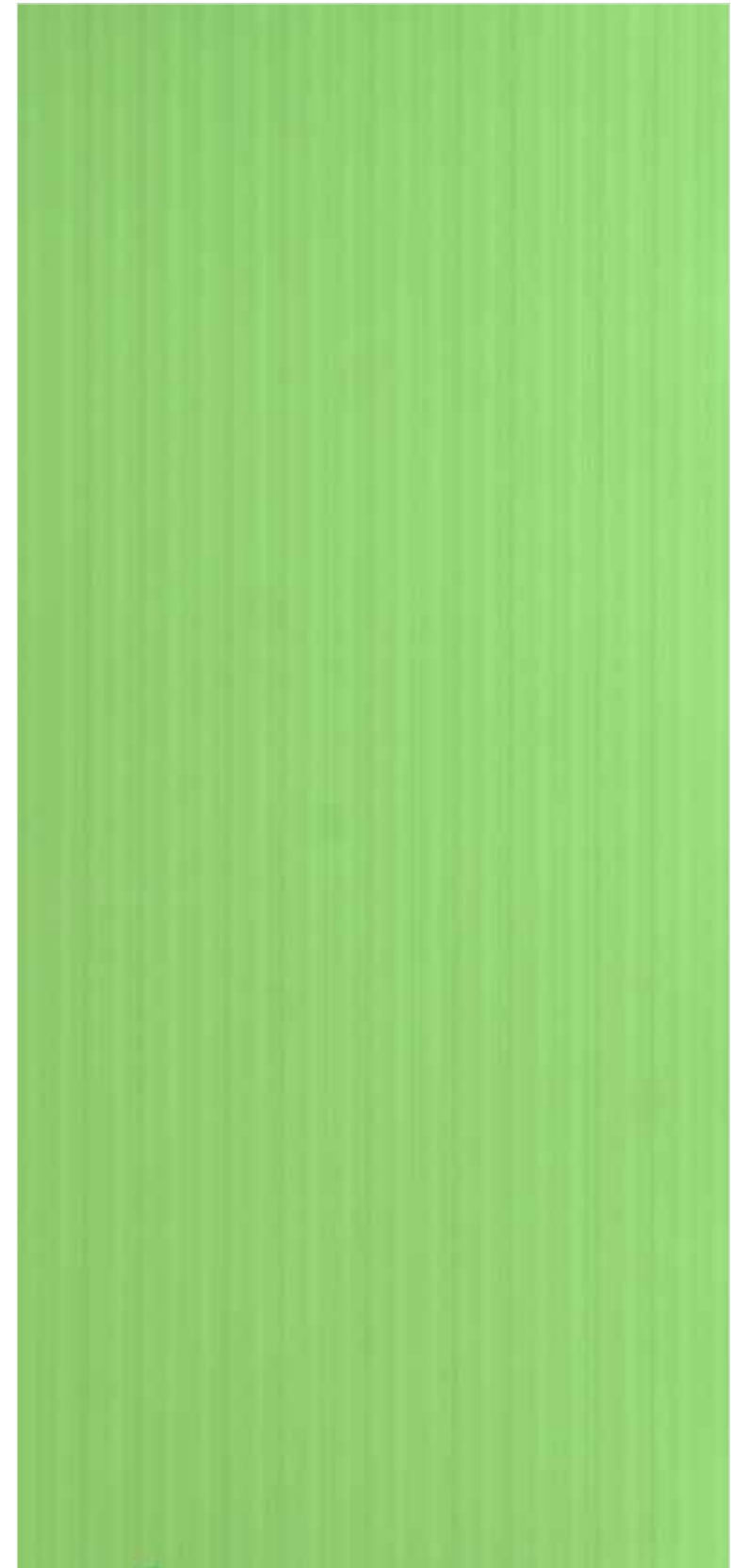
DOTSCREEN COLLECTION



6615 | Aqua Dotscreen



DOTSCREEN COLLECTION



6616 | Mint Dotscreen



SUEDE FINISH (SF)

DOTSCREEN COLLECTION



6617 | Tangelo Dotscreen

ELLIPSE COLLECTION



1913 | Red Ellipse





SUEDE FINISH (SF)

ELLIPSE COLLECTION



6613 | White Ellipse

TECHNICAL DATA SHEET

Formica Global Series



S.No.	Characteristic	Meth	Unit of Measure	HGS
01	Nominal Thickness		mm	1
02	Surface Defects	EN438:2005-2-4		
		Dirt/Spots	mm ² /m ²	≤ 1
		Fibres/Hairs/Scratches	mm ² /m ²	≤ 10
03	Thickness	EN438:2005-2-5	mm	± 0.1
04	Length & Width	EN438:2005-2-6	mm	-0 / +10
05	Squareness	EN438:2005-2-7	mm/m	≤ 1.5
06	Edge Straightness	EN438:2005-2-8	mm/m	≤ 1.5
07	Flatness	EN438:2005-2-9	mm/m	≤ 60
08	Surface Wear Resistance	EN438:2005-2-10	revolutions	≥ 350
09	Immersion in Boiling Water	EN438:2005-2-12	Class	
			Gloss	3
			Other	4
10	Resistance to Water Vapour	EN438:2005-2-14	Class	
		Gloss		3
		Other		4
11	Resistance to Dry Heat (180°C)	EN438:2005-2-16	Class	
		Gloss		3
		Other		4
12	Dimensional Stability	EN438:2005-2-17	%	
		Longitudinal		≤0.55
		Transverse		≤1.05
13	Impact Resistance (Small Ball)	EN438:2005-2-20	N	≥ 20
14	Resistance to Cracking	EN438:2005-2-23	Class	4
15	Scratch Resistance	EN438:2005-2-25	Class	
		Gloss		3
		Other		3
16	Stain Resistance	EN438:2005-2-26	Class	
		Group 1 & 2		5
		Group 3		4
17	Light Fastness	EN438:2005-2-27		4 to 5
18	Resistance to Cigarette Burns	EN438:2005-2-30	Class	3
19	Density		g/cm3	≥1,35*
20	* Formica Typical value 1.4 to 1.42 EN438 Class Definitions - Class 5 No visible change, Class 4 Slight loss of gloss and or colour, Class 3 Moderate loss of gloss and or colour Class 2 Marked loss of gloss and or colour Class 1 Blisters and or delamination			

Note :

The samples shown in this folder are only indicative of the color, patterns and finishes available

Liability:

Whereas the product are manufactured to exacting standards, the nature of the application procedure is beyond our control. While we are pleased to offer advice, we cannot guarantee the finishing results or accept liability for it. All information is provided in good faith but without warranty expressed or implied. The liability of the company is limited to replacement of defective goods only. It is therefore necessary that prior to any commercial use you should conduct your own tests to evaluate efficacy of the product under the particular condition for its intended use

PROTECTING THE SURFACE

Scratch and Impact Protection

Formica Brand Laminates and surfacing material are resistant to scratch and impacts under normal use conditions.

- Do not chop, slice, pound or hammer on any laminate surface
- Knives or other sharp utensils may slice or scratch the surface
- Heavy blows from a hammer or metal tenderizer may crack or gouge the surface
- Cookware still hot should not be placed directly on laminate surfaces
- Avoid ironing or placing a hot iron on laminate surfaces
- Do not place lighted cigarettes directly on laminate surfaces

Ordinary Cleaning

In most cases, you only need to use a clean, damp, non-abrasive cotton cloth and a mild liquid detergent or household cleaner and rinse with clean water. Do not flood the laminate, since water can penetrate and cause the substrate to swell. Dry the surface with a soft, clean, non-abrasive cotton cloth.

Chemical Damage

Never use cleaners containing acid, alkali or sodium hypochlorite. These cleaners will mar, etch, corrode and permanently discolour the laminate surface. Also, make sure that bottles, rags and other materials contaminated with these cleaners never come in contact with the laminate surface.

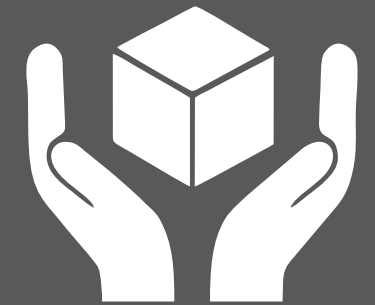


DO'S & DONT'S



HANDLING

- Care should be taken when handling decorative laminates to avoid breakages and damage.
- When loading and unloading, sheets should be lifted, not slid.
- Abrasion between decorative faces should be avoided.
- Individual sheets should be carried with the decorative face towards the body.
- Sheets become rigid and thus easier to handle if they are bowed along the longitudinal axis.
- Large sheets should always be handled by two men.
- Sometimes it is convenient, especially with thinner grades of laminate, to roll the sheet, decorative face inward, into cylinder of approximately 600mm diameter.
- When transporting stacks of sheets with mechanical handling vehicles, pallets of adequate size and rigidity should be used.



STORAGE

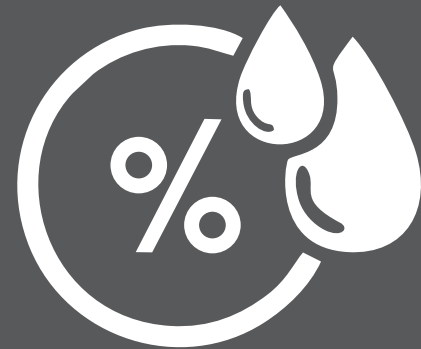
- Formica® decorative laminates should preferably be stored face to face, flat in horizontal racks.
- The use of a cover board for covering the top sheet and keeping it flat is recommended. If this is impractical, the top sheet should be turned decorative face downwards, to prevent surface damage and warping.
- Where horizontal storage is not possible or where only small stocks of assorted colours and patterns are kept, these can be stacked on edge in slightly inclined vertical racks with support over the entire surface area and a cover board to prevent sliding.
- The recommended angle for such racks is approximately 80° from the horizontal.
- Decorative laminates should always be kept in an enclosed dry store together with corresponding substrate materials, backing boards and adhesives, at a temperature of not less than 18°C (65°F).
- When materials are brought into a workshop from temperatures or humidity levels different from ambient (e.g. after delivery), they should be allowed to stabilise before fabrication. Usually a minimum of three days is required.



PRE-CONDITIONING

- The most important factor in achieving stability in bonded panels is the preconditioning of core materials, surfacing and backing laminates prior to bonding.
- Pre-conditioning ensures that the effects of differential movement, caused by the materials' reaction to changes in relative humidity, are minimised.
- The following procedure will allow the laminates to reach equilibrium; any subsequent movement, caused by changes in humidity, will then be equal on each side of the bonded panel and the risk of bowing will be greatly reduced.

Decorative laminates and core materials should be conditioned before bonding so that all materials reach equilibrium and are neither too dry nor too damp, the latter being most important at the time of pressing. Optimum conditions are best achieved in a dry storage area (about 20°C and 50 60% Relative Air Humidity).
- The sheets that will form the opposite faces of the same composite board are best conditioned as a pair, with their sanded backs together.
- Sheets paired in this manner should be stacked, covered, and left for a minimum period of three days in order to reach moisture equilibrium.
- This will ensure that they achieve near identical moisture contents prior to so that bonding, and any subsequent dimensional movements will therefore be similar in both magnitude and direction on each side of the composite panel.
- Wood-based core materials should have a moisture content of around 9%.
- The moisture content of laminates cannot be measured with a normal moisture meter, but it is essential that the face laminate has the same moisture content as the corresponding backing board. If the composite boards are to be exposed to constant low relative humidity in their subsequent application (e.g. radiator casings), the laminates and core materials should be pre-conditioned in warm dry conditions for a suitable period in order to pre-shrink the materials and so avoid any subsequent shrinkage stresses.
- Panels and boards faced with decorative laminate will nearly always be required to have the reverse side faced with a similar material to counter balance the effects of dimensional changes that may take place.



ADHESIVE BOND FAILURE (BUBBLING)

Adhesive bond failure, commonly known as bubbling, may occur in conditions of high humidity or wetting if there are weak areas of adhesive bond (usually associated with hand-applied contact adhesives).

If the laminate has been bonded in normal dry conditions using contact adhesive and the panel is subsequently subjected to high levels of humidity, the laminate will expand.

The amount of creep will depend on the panel dimensions (the larger the panel the greater the movement), and if there is a weakness in the bond the laminate may lift from the substrate.

To reduce the risk of bond failure, the following measures should be taken:

- If possible, avoid the use of contact adhesives (particularly hand-applied) if the panels are to be installed in wet areas or areas of high humidity.
- If contact adhesives must be used then panel widths should not exceed 600 mm. The adhesive layer must not be too thick, it must be applied evenly to both surfaces and the whole area must be at the correct tack-level when bonding takes place. These points are particularly important if the edges of the laminate are 'captured', preventing outward movement of the laminate at the edges.
- To minimise dimensional movement, the longest dimension of the panel should be cut in the length direction of the laminate sheet, i.e. parallel with the sanding lines (laminate movement is approximately twice as great across the sheet width as it is along the length).
- The laminate should be pre-conditioned in temperature/humidity conditions similar to those of the final installation for at least three days prior to bonding.

