



Traceless

FINGERPRINT RESISTANT & **ANTIMICROBIAL** LAMINATE

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Traceless

FINGERPRINT RESISTANT &
ANTIMICROBIAL LAMINATE

When we say Traceless, we mean it both ways. As the name implies, Traceless laminates leave no traces behind, be it visible fingerprints or germs that is invisible to the naked eye.



Area of Applications

Traceless's multi-attributes makes it an ideal surface for healthcare facilities, commercial and residential spaces.

COMMERCIAL

It can be as simple as visiting your favourite cafe, using a public washroom or going to the gym: in these day-to-day activities, germs can easily proliferate and transmit. In the face of the global COVID-19 pandemic, organisations are entrusted with a greater level of responsibility to provide a safe and sanitised environment for their customers and employees.

Our solution: Traceless antimicrobial laminates that offers long lasting protection against microbes such as bacteria and viruses. These robust laminates are ideal for high traffic areas as their antimicrobial properties do not diminish even with wear and scratches.



Project image courtesy of Visual Dreams

RESIDENTIAL

For lovers of dark décor, keeping your dark furnishing free from visible fingerprints does not have to be a hassle.

Both aesthetic and functional, Traceless enables homeowners to go about their daily activities without worry of leaving behind traces of unsightly fingerprints or bacteria on their homes' surfaces

Common applications: Cabinets, wardrobes, table tops, shelves, feature walls



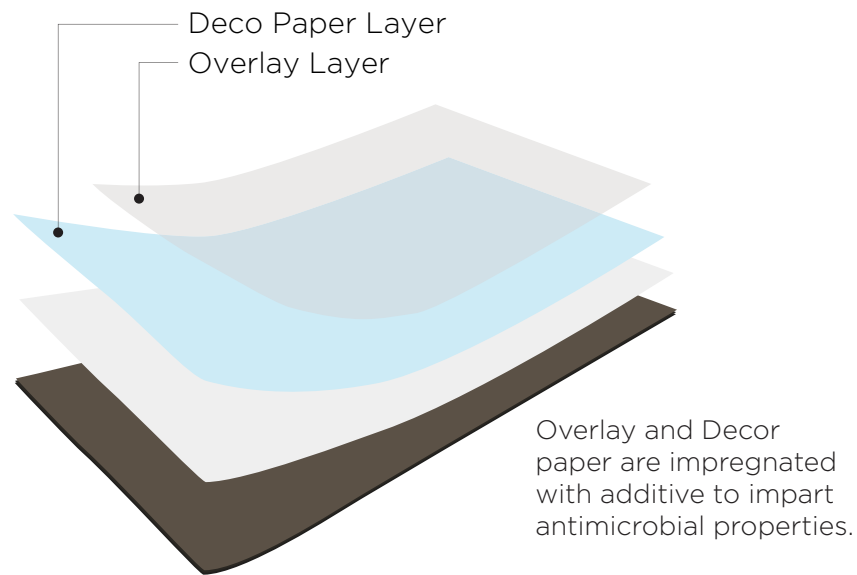
Project image courtesy of Artspaze

○ — Mocha Brown CBK 3130 N

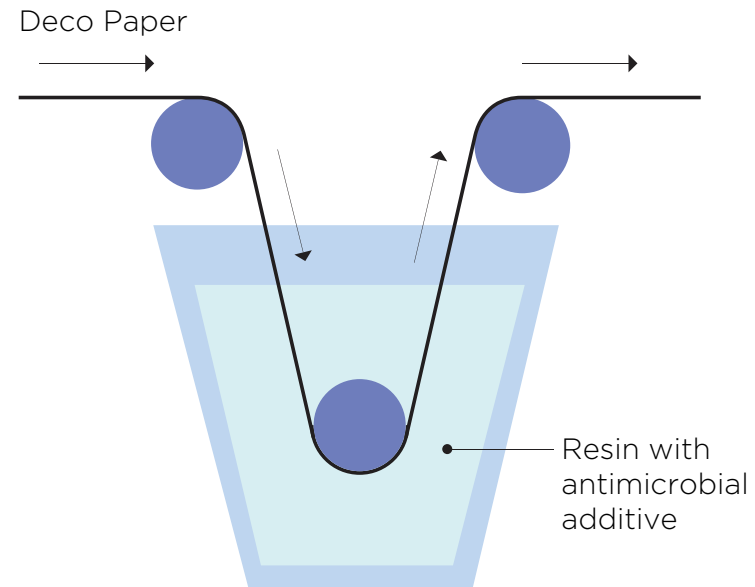
How Antimicrobial Laminates Are Made

During the impregnation process

- The melamine resin is compounded with antimicrobial additive
- This antimicrobial additive is diluted in both the Overlay layer and in the Deco paper layer



High Pressure Laminate properties



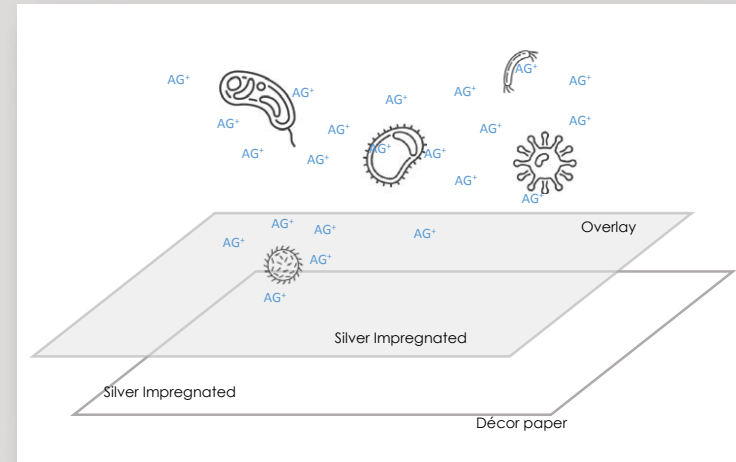
Impregnation

Antimicrobial Certification

Traceless is antimicrobial-certified by SETSCO.

Constantly active, Traceless laminates offer 24/7 protection by reacting and releasing silver ions when its surfaces come in contact with microbes.

Its unique impregnation process and uniform distribution of silver additives on multiple layers of the laminate ensure that its antimicrobial properties remain effective throughout its product life cycle, even with heavy usage.



When microbes contact the surface, the silver contents in the laminates release silver ion AG^+ to kill the germs.

Bacteria	Inoculums CFU/ml	U_0 CFU/ml	U_t CFU/ml	A_t CFU/ml	R	Antibacterial %
E.coli	4.80×10^5 (5.68)	7.50×10^4 (4.88)	5.31×10^4 (4.73)	6.25×10^{-1} (-0.2)	4.93	99.99
S.aureus	3.60×10^5 (5.56)	9.58×10^4 (4.98)	8.06×10^4 (4.91)	6.25×10^{-1} (-0.2)	5.11	99.999
P.aeruginosa	4.20×10^5 (5.62)	8.04×10^4 (4.91)	5.19×10^4 (4.71)	6.25×10^{-1} (-0.2)	4.92	99.99
B.subtilis	2.80×10^5 (5.45)	8.75×10^4 (4.94)	3.92×10^4 (4.59)	5.81×10 (1.76)	2.83	99

Conclusion: Traceless samples have passed the Antimicrobial Efficacy Test by obtaining log values greater than 2.0 log reductions in accordance with JIS Z 2801:2012

Collection

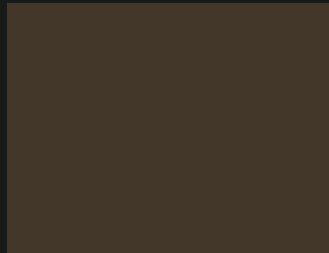
Solid



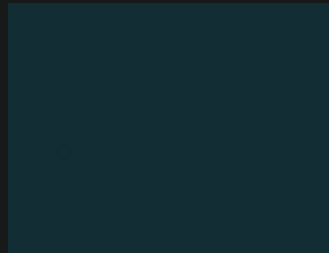
Mocha Brown
CBK 3130 N



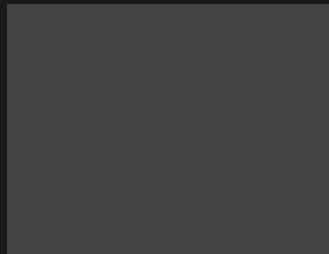
Forest Green
CMK 3136 T



Chocolate Brown
CBK 3132 N



Deep Ocean
CMK 3135 T



Dark Grey
CBK 3134 N



Carbon Black
CBK 1121 N


Pattern



Umber Premium Leather
JMK 1681 S



Black Leather
JBH 1122 S

Forest Green CMK 3136 T 



Dark Forest Oak QBL 776 W ————○

Wood



Dark Mode Walnut
QBL 4206 W



Red Master Oak
QBL 4245 WO



Dark Smooth Mode
QBL 4239 WO



Dark Bronco
QBL 4165 AW

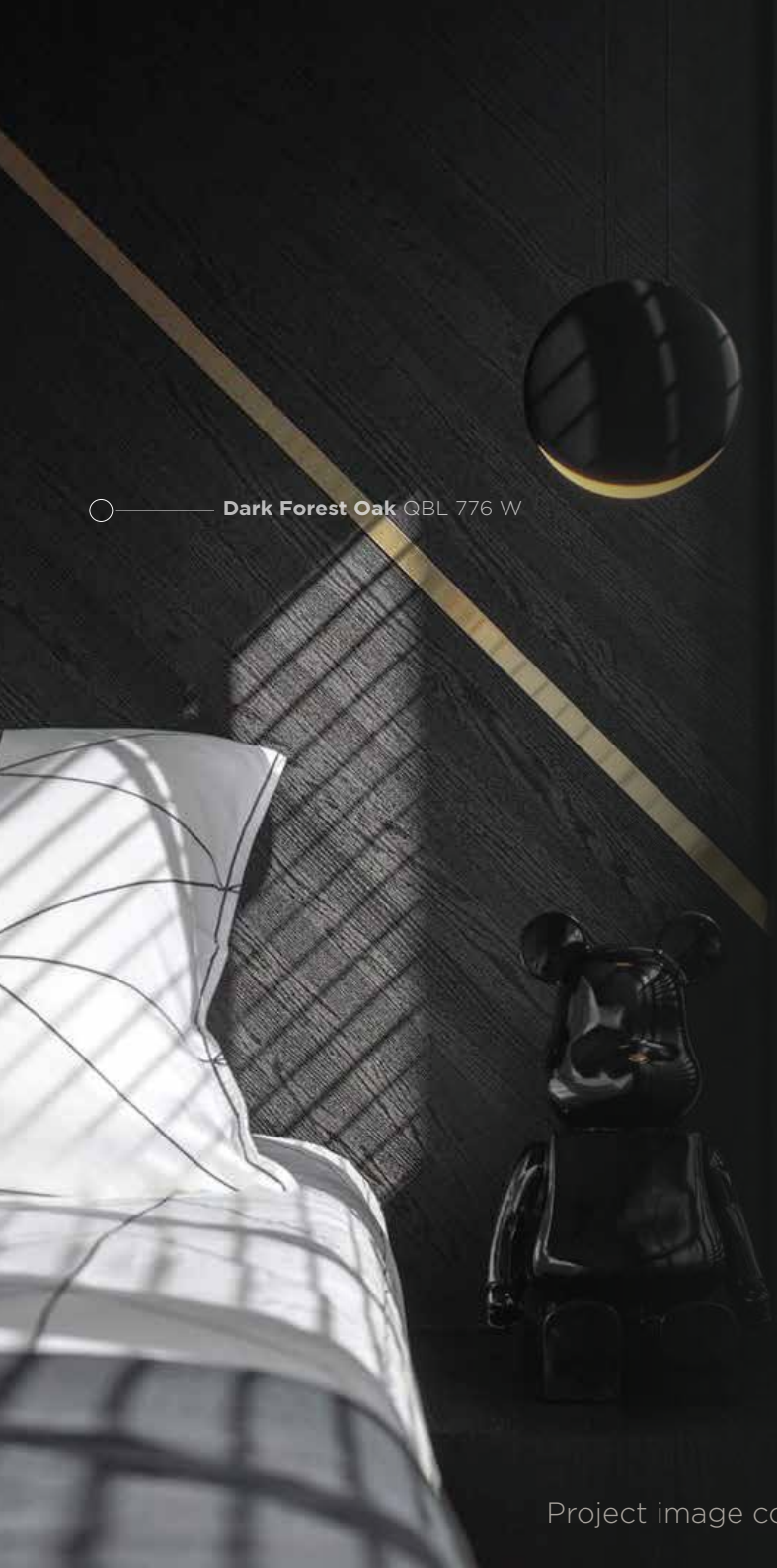


Deep Nonent
QBL 4191 AW



Dark Brown Ash
QBL 4209 WO





○ ——— **Dark Forest Oak** QBL 776 W

Wood



Forest Charcoal
QBK 1128 W



Dark Forest Oak
QBL 776 W



Dark Berry Teak
QBL 4131 W



Kyoto Nite
QBL 3560 W



Dark High End Walnut
QBL 3711 W

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