



ADMIRA

# Traceless

FINGERPRINT RESISTANT &  
ANTIMICROBIAL LAMINATE

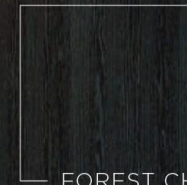




# Traceless

**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.



FOREST CHARCOAL  
QBL 1128 W





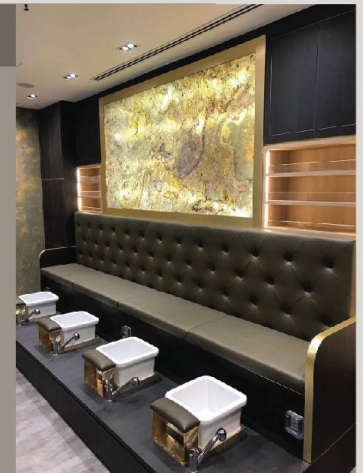
# Area of Applications

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

## COMMERCIAL

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 includes cabinets, wardrobes, table tops, shelves and feature walls.



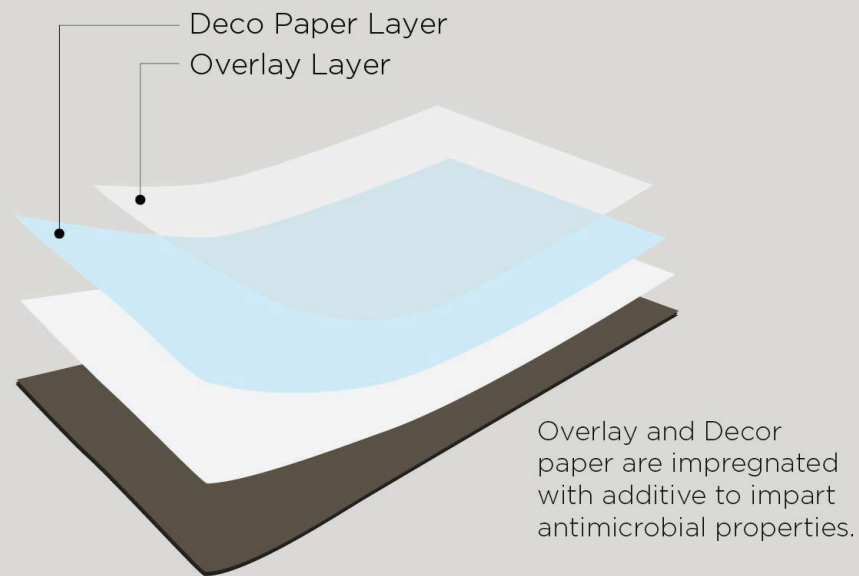
Project image courtesy of Artspace

MOCHA BROWN  
CBK 3130 N

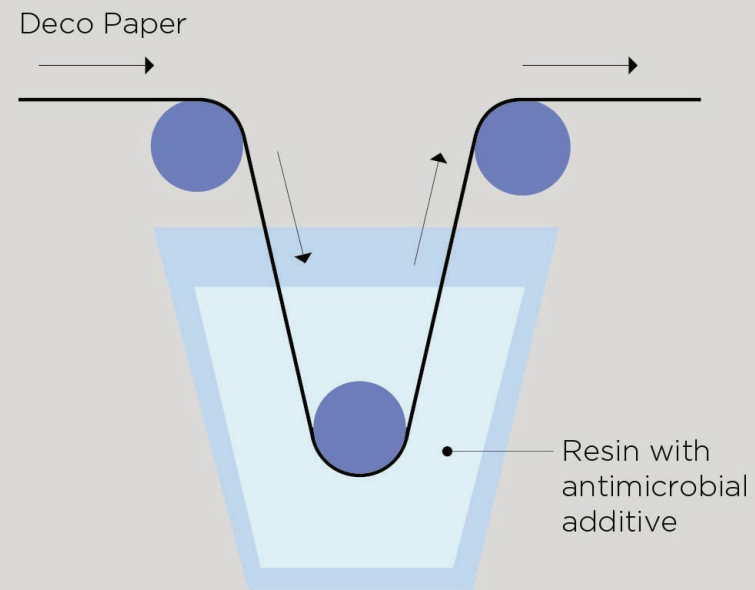
# How Antimicrobial Laminates Are Made

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 Decor paper layer



High-Pressure Laminate properties



Impregnation

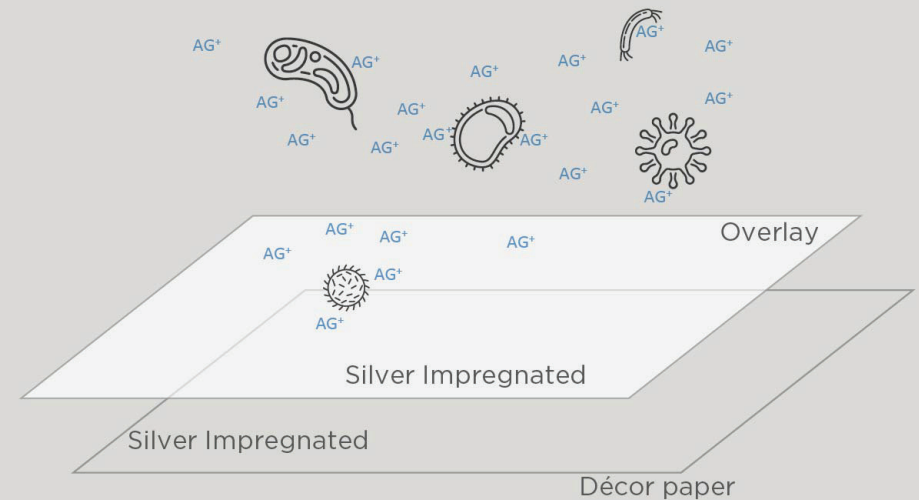


# Antimicrobial Certification

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 come in contact with the laminate's surface, silver contents in the laminates react to release silver ions  $AG^+$  to eliminate the bacteria.

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



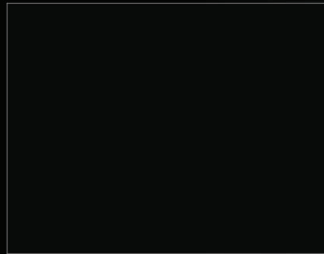


**DARK GREY**  
CBK 3134 N



**SHADOW**  
CBK 3133 N

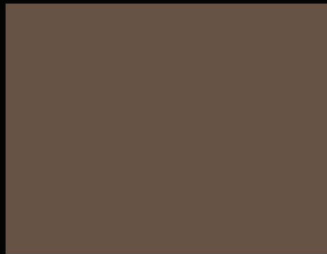
NEW <



**CARBON BLACK**  
CBK 1121 N



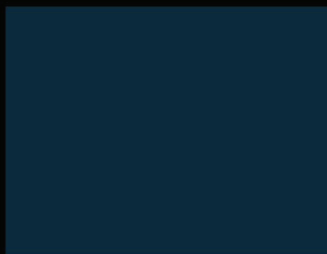
**MOCHA BROWN**  
CBK 3130 N



**CHOCOLATE BROWN**  
CBK 3132 N



**FOREST GREEN**  
CMK 3136 T



**DEEP OCEAN**  
CMK 3135 T



**BLACK LEATHER**  
JBH 1122 S



SHADOW  
CBK 3133 N







**DARK MODE WALNUT**  
QBL 4206 W



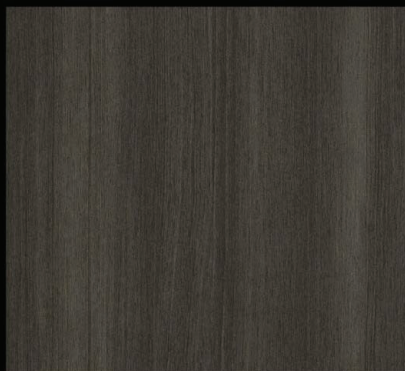
**RED MASTER OAK**  
QBL 4245 WO



**DARK SMOOTH MODE**  
QBL 4239 WO



**DARK BRONCO**  
QBL 4165 AW



**DEEP NONENT**  
QBL 4191 AW



**KYOTO NITE**  
QBL 3560 W



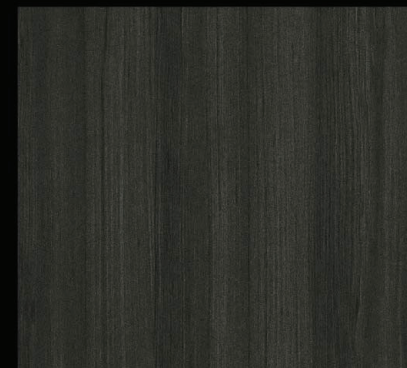




**DARK BERRY TEAK**  
QBL 4131 W



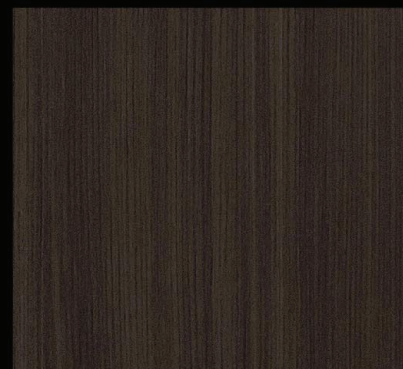
**FOREST CHARCOAL**  
QBK 1128 W



**DARK BERRY TEAK**  
QBL 4131 W



**DARK FOREST OAK**  
QBL 776 W



**DARK BROWN ASH**  
QBL 4209 WO



**DARK HIGH END WALNUT**  
QBL 3711 W



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