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NW087	(NE087)	56
NW088	(NE088)	54
NW089	(NE089)	56
NW090	(NE090)	57
NW092	(NE092)	59
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NW101	(NE101)	59
	(NE102)	52
NW104	(NE104)	57
NW109	(NE109)	59
NW110	(NE110)	58
NW111	(NE111)	58
NW112	(NE112)	52
NW113	(NE113)	58
NW114		58
NW116	(NE116)	60
NW117	(NE117)	60
NW118	(NE118)	61
NW119	(NE119)	60
NW120	(NE120)	60
NW121	(NE121)	60
NW122	(NE122)	60
NW123	(NE123)	61
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RS48	(ES48)		25
RS49	(ES49) (ES51)		25
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RS58	(ES58)		25
RS61	(ES61)		20
RS68	(ES68)		25
RS69	(ES69)		23
RS70	(ES70)		25
RS71	(ES71)		25
RS76	(ES76)		24
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RS107	(ES107)		20
RS108	(ES108)		20
RS116	(ES116)		19
RS118	(ES118)		24
RS119	(ES119)		24
RS120	(ES120)		25
RS121	(ES121)		24
RS122	(ES122)		25
RS123	(ES123)		25
RS124	(ES124)		24
RS125	(ES125)		24
RS127	(ES127)		25
RS128	(ES128)		25
RS130	(ES130)		24
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R\$132 R\$133			
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RS134	(ES134)		24
RS135	(ES135)		25
RS136	(ES136)		25
RS138	(ES138)		21
RS139	(ES139)		21
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RS141	(ES141)		21
RS142	(ES142)		21
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RS145	(ES145)		21
RS150	(ES150)		20
RS151	(ES151)		20
RS158	(ES158)		25
RS159	(ES159)		21
RS160	(ES160)		21
RS161	(ES161)		21
RS162	(ES162)		21
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RS168	(ES168)		24
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RS171	(ES171)		25
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RS174	(ES174)		19
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⑧: 신제품 New │ (): 비방염 컬러 Non-Flame Retardant

(ES180) 🚫

RS181 (ES181) 🔇 24

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RGM13 (EGM13) 🔇

RGM14 (EGM14) 🔇 22

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(PME04)

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LX하우시스 인테리어필름의 다양한 정보를 온라인에서 만나보세요. Discover various information about LX Hausys Interior Films online. www.lxhausys.com/gl/index



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Be sure to follow the application instructions at the back of the sample book for the relevant color.





당신이 바라던 공간에 대한 모든 것, Benif에 있습니다.

Everything you could ever long for in a space, BENIF has.

Recommendation

Dual Fig

빛의 각도에 따라 때론 우아하게, 때론 유니크하게. 공간에 새로움을 더합니다.

Depending upon the angle of light, sometimes elegantly and sometimes uniquely. Increase novelty to the space.



DP002



DP005



NV003



SPCE

NV002





Recommendation

Stone 스톤

깔끔한 미스티 스톤의 배경과 오브제가 만나 꿈꾸던 미니멀한 공간이 탄생합니다.

A background of neat Misty Stone and an objet meet to create a minimalistic space that you have dreamed of.

39 X 31mm





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SM013

SM013



Big Stone ॥스톤

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빅 그라니트가 선사하는 중후하고 역동적인 분위기는 럭셔리함을 한층 높입니다.

The imposing and dynamic mood presented by Big Granite increases luxury.

> 39 X 31mm BM015 Big Granite BM019 Big Granite

% We notice that pattern and color of the product in the above image might differ from the actual product.



Recommendation

Textile **UAR**



SF012



※ 상기 이미지 안의 제품 패턴과 색상은 실제 제품과 차이가 있을 수 있음을 알려드립니다.

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Wood 95

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빅 우드와 클래식 우드의 차분하고도 섬세한 나뭇결이 근사한 분위기를 선사합니다. The calm and detailed wood grain of B Classic Wood creates a splendid mood.

BW020 / PW141



% We notice that pattern and color of the product in the above image might differ from the actual product.



Dual field

빛의 각도에 따라 우아하고도 고급스럽게 나만의 독창적인 공간을 연출합니다. Elegantly and luxuriously according to the angle of light. Create your own unique space. E

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DP001/DP002





• DP001 🔕 🚳



DP003





DP002 🔇 🙆



DP004 🕲



• DP006 🔇

※ 제품이 보는 방향에 따라 색상이 다르게 보이므로 정확한 색상 확인을 원하실 경우, 구매 전 실제 제품을 확인해 보세요.

** The product's color can appear different depending on the viewing angle, so it is recommended to check the actual product before purchasing if you want to confirm its accurate color.

-3

Dual Field



Please call our Sales Office for a list of UK availability: 01753 696977

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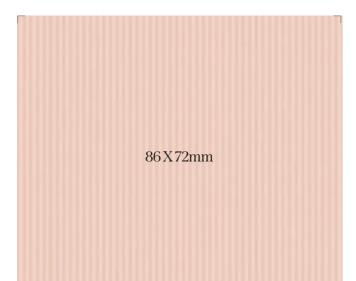
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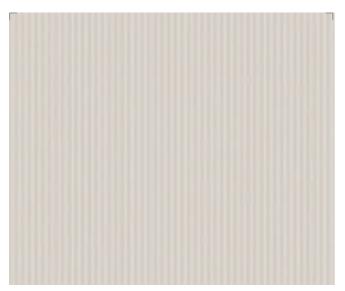
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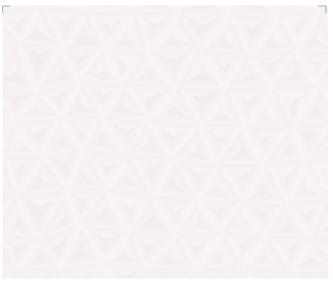
품과 차이가 있을 수 있음을 알려드립니다.



• NV003 🔕



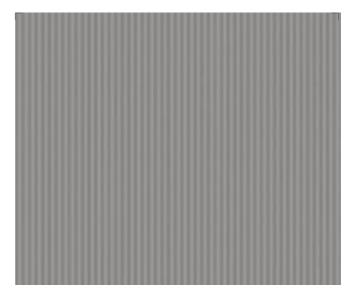




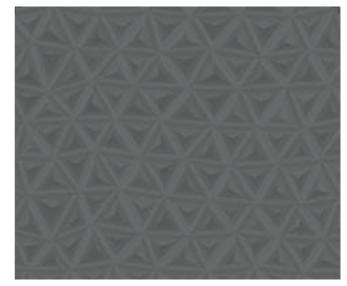
NV005 🔊

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NV004 S



•NV002 🔇



•NV006 🔕

% We notice that pattern and color of the product in the above image might differ from the actual product.



Misty nle

내추럴한 표면 위에 화이트 도장을 한 듯 부드럽고 화사한 분위기를 선사합니다.

Make a present of soft and fluorescent mood as if white paint was applied on a natural surface.









• SM016 🔇



SM015 S



SM008



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SM013 **S**



SM005



SM006



※ 상기 이미지 안의 제품 패턴과 색상은 실제 제품과 차이가 있을 수 있음을 알려드립니다.

SM007









SM009 **S**



SM003







• SM010 🔇



• SM012 🔇





Emboss **NHL**

은은하게 반사되는 텍스처와 다채로운 색감이 만나 온기를 더합니다.

The delicately reflective texture and colorful colors increase warmth.

Emboss **NHL**





RS104







RS105



RS103



RS116



RS170 💿



RS175











RS98





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RSP01



RS150 🚳







RS107

※ 상기 이미지 안의 제품 패턴과 색상은 실제 제품과 차이가 있을 수 있음을 알려드립니다.

RS106



86X72mm

RS101



RS144





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% We notice that pattern and color of the product in the above image might differ from the actual product.



Please call our Sales Office for a list of UK availability: 01753 696977





RS162



RS159

RS161



RS145



RS141

RS142

Emboss **NHL**



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RGM05

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RGM03



RGM15



RGM13 **O**



RGM02



RGM16 🔇

% We notice that pattern and color of the product in the above image might differ from the actual product.



Solid are



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Please call our Sales Office for a list of UK availability: 01753 696977

※ 상기 이미지 안의 제품 패턴과 색상은 실제 제품과 차이가 있을 수 있음을 알려드립니다.

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39 X 20mm			
∎RS179 ◎	RS70	RS171	RS71
■RS57	∎RS49	■RS92	RS40
RS176	•RS35	RS68	• RS48
RS168	∎RS47	RS46	RS100
•RS135	•RS52	RS51	RS136
RS122	•RS128	∎RS158	RS22
∎RS58	•RS88	RS120	RS127
RS87	RS31	RE03	RS123

* We notice that pattern and color of the product in the above image might differ from the actual product.



-3







PMEO2 🧆

∎PME01



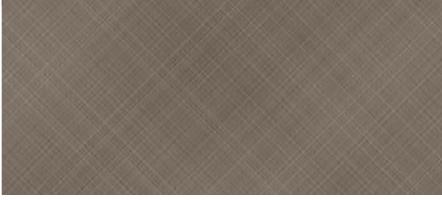
- PME06 🚳 🧆



∎ PME04 @



• PME10 🧆



• PME08 (a)



∎ PME09 🌰



• PME03 🙆

• PME07 🙆

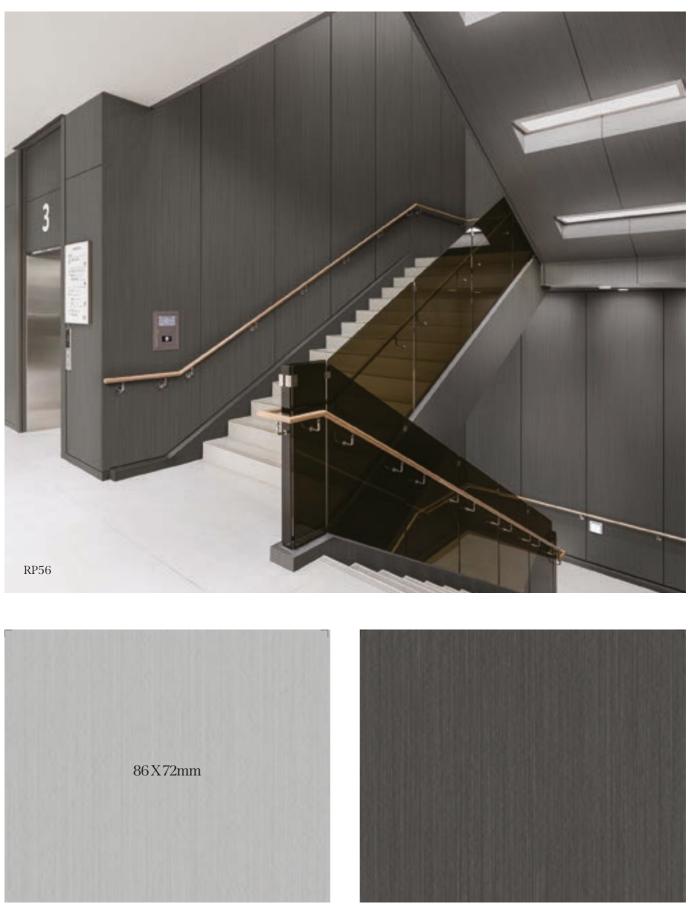


- PME05 🞯 🧆

% We notice that pattern and color of the product in the above image might differ from the actual product.



Metal me



RP57 🔇

RP56 🔇 🚳

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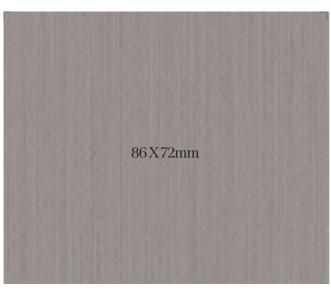
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RP54 🔇 🎯



RP55 🛇



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Metal me

54.5X52mm

MS21

 $\[\]$



MS18



MS09



RP47 🚳





RP48



RP45



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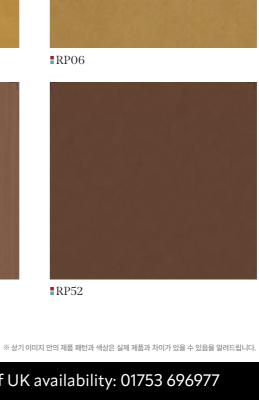
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RP06

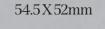


RP52











MS19



RP04



MS20



RP53

Ξ



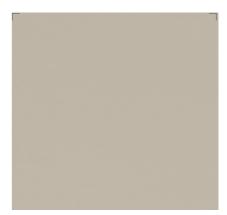
RP46



RP50



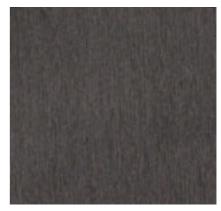
RP08



RP03



RP49



RP51

% We notice that pattern and color of the product in the above image might differ from the actual product.



Classic Wood च्रसय १८

나무보다 더 나무답게, 나무의 부드러운 숨결을 공간 안에 가득 담습니다. More being like a tree than a tree, Put its soft breath in the full of space.

SP^{CE}

Please call our Sales Office for a list of UK availability: 01753 696977

※ 상기 이미지 안의 제품 패턴과 색상은 실제 제품과 차이가 있을 수 있음을 알려드립니다.

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• PW141 🕲 🙆 🙆



• PW142 🔕 🧆

Soft Walnut



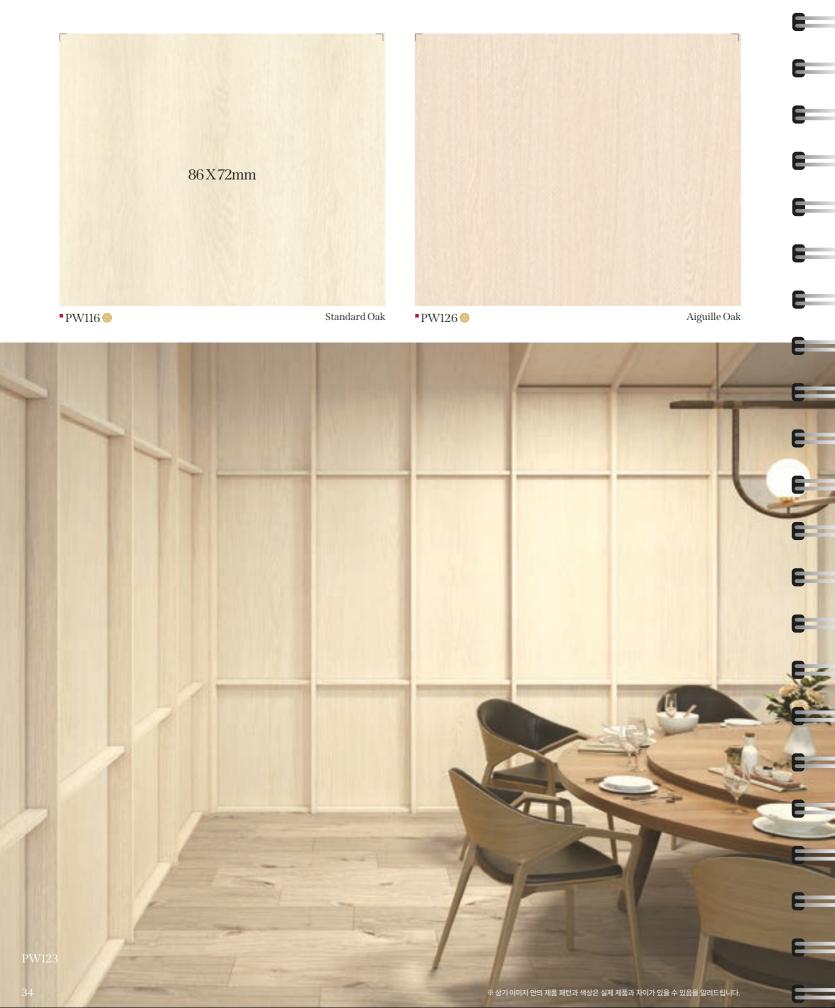
• PW143 🔕 🥝

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% We notice that pattern and color of the product in the above image might differ from the actual product.



Classic Wood 클래식 우드



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• PW129 🌰

Aiguille Oak



• PW117 🙆

Standard Oak



• PW127 🌰

-3

Aiguille Oak



• PW123 🚳 🧆



•PW136



• PW113 🙆

Slap Oak

% We notice that pattern and color of the product in the above image might differ from the actual product.

Classic Wood 클래식 우드







• PW130 🌰

Aiguille Oak



• PW106 🌰



PW109



• PW139 🙆

Olive Ash

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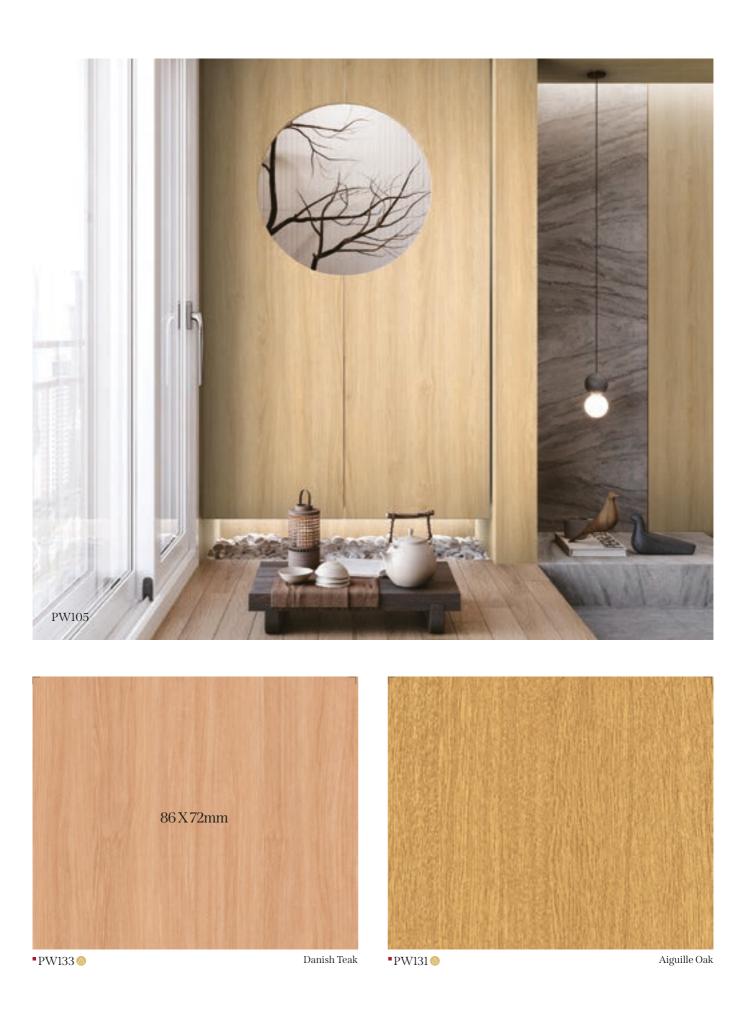


• PW110 🌰

Ash

※ 상기 이미지 안의 제품 패턴과 색상은 실제 제품과 차이가 있을 수 있음을 알려드립니다.





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Classic Wood 클래식 우드







• PW119 🙆

Standard Oak



• PW102 🙆



• PW118 🚳 🙆



PW140

Olive Ash

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•PW101







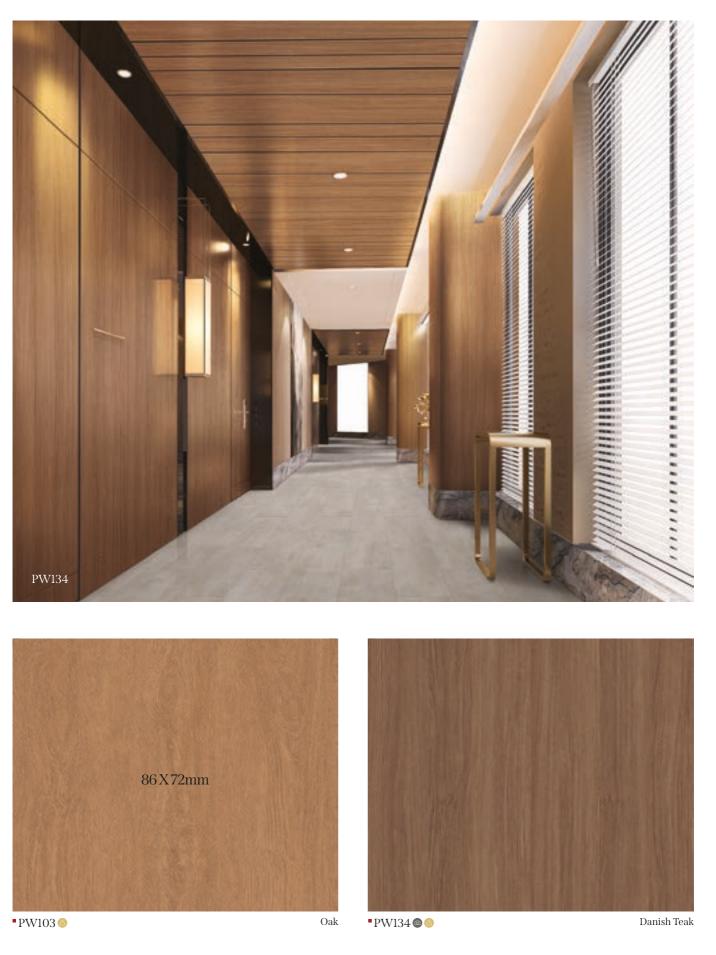
Slap Oak



% We notice that pattern and color of the product in the above image might differ from the actual product.



Classic Wood 클래식 우드



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※ 상기 이미지 안의 제품 패턴과 색상은 실제 제품과 차이가 있을 수 있음을 알려드립니다.







PW108



• PW115 🙆

-3

Slap Oak



• PW121 (

Standard Oak



•PW124 🍐

Walnut



•PW125

Walnut

41

% We notice that pattern and color of the product in the above image might differ from the actual product.



Classic Wood 클래식 우드





Olive Ash



• PW112 🧆



• PW120 🌰

Standard Oak



PW128

Aiguille Oak

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PW104

Oak

※ 상기 이미지 안의 제품 패턴과 색상은 실제 제품과 차이가 있을 수 있음을 알려드립니다.











PW122

Standard Oak

% We notice that pattern and color of the product in the above image might differ from the actual product.

Big Wood ॥ २=

우드 슬랩의 커다랗고 웅장한 나이테, 길게 뻗은 나뭇결을 오롯이 느껴보세요. Feel the huge and majestic annual rings of the wood slab and the long grain of the wood. E

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• BW021 🔇 🙆



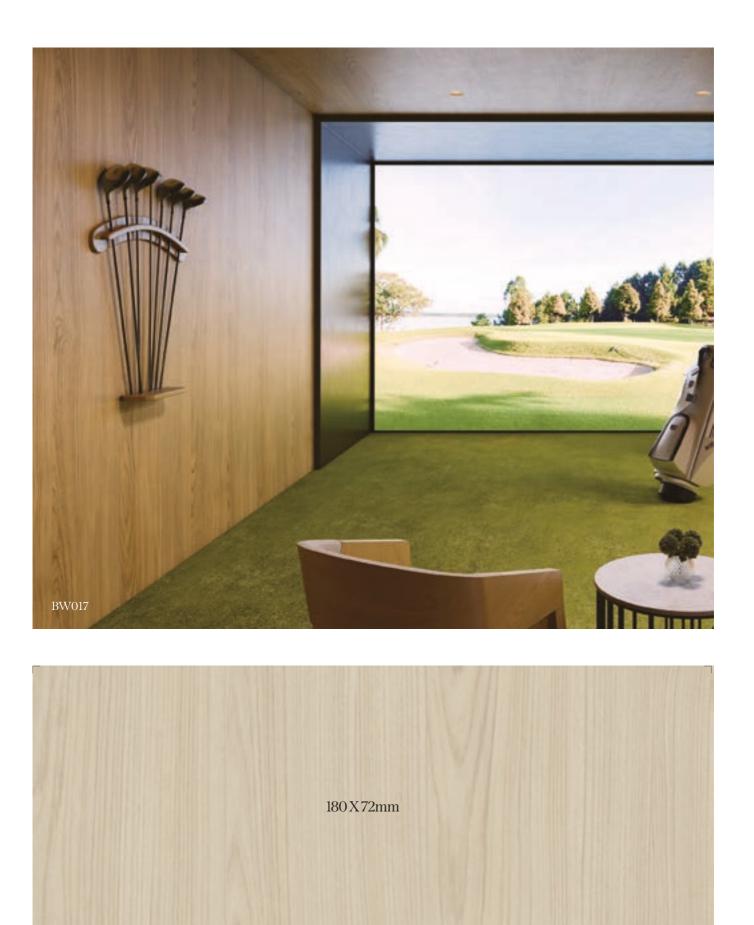


BW022

Walnut

% We notice that pattern and color of the product in the above image might differ from the actual product.

Big Wood 495



BW016

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Teak







BW018 🕲

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Teak



BW019 🔕

Teak

47

% We notice that pattern and color of the product in the above image might differ from the actual product.



Big Wood ॥२=





BW007

Antique Oak

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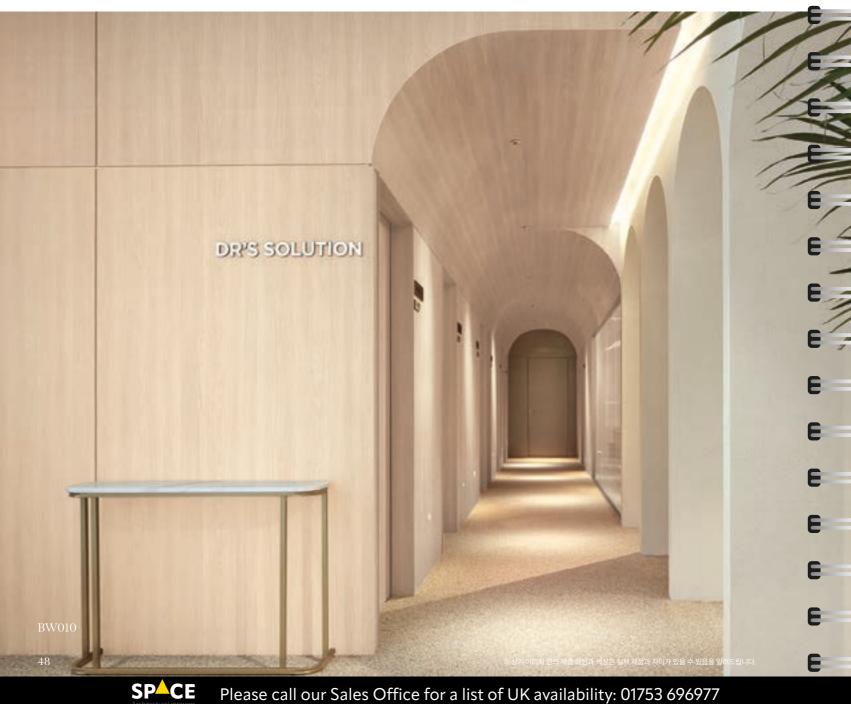
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BW010



BW014

Washed Ash



BW015

Washed Ash



BW005



BW013



BW006

Oak

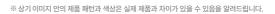
49

% We notice that pattern and color of the product in the above image might differ from the actual product.





BW002



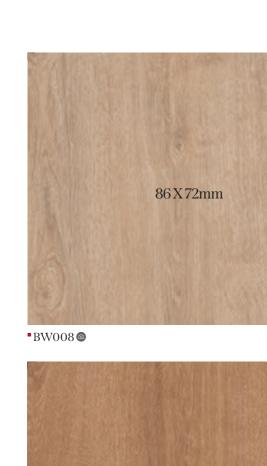
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BW009

Antique Oak

Antique Oak



BW004



BW003

Walnut



BW011

Oak

Lauan



BW012

Lauan

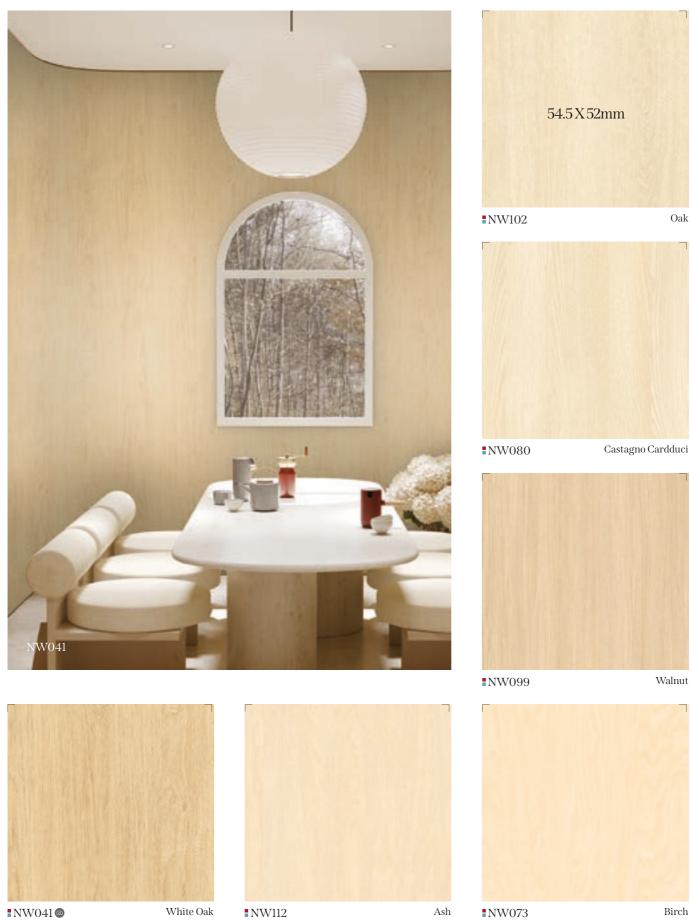
% We notice that pattern and color of the product in the above image might differ from the actual product.



Premium Wood ভ্রনাম প্র

깊이 있고 자연스러운 나뭇결을 있는 그대로 고스란히 담습니다.

 $Put \ the \ deep \ and \ natural \ wood \ grain \ into \ itself \ as \ it \ is.$



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NW032

Oak

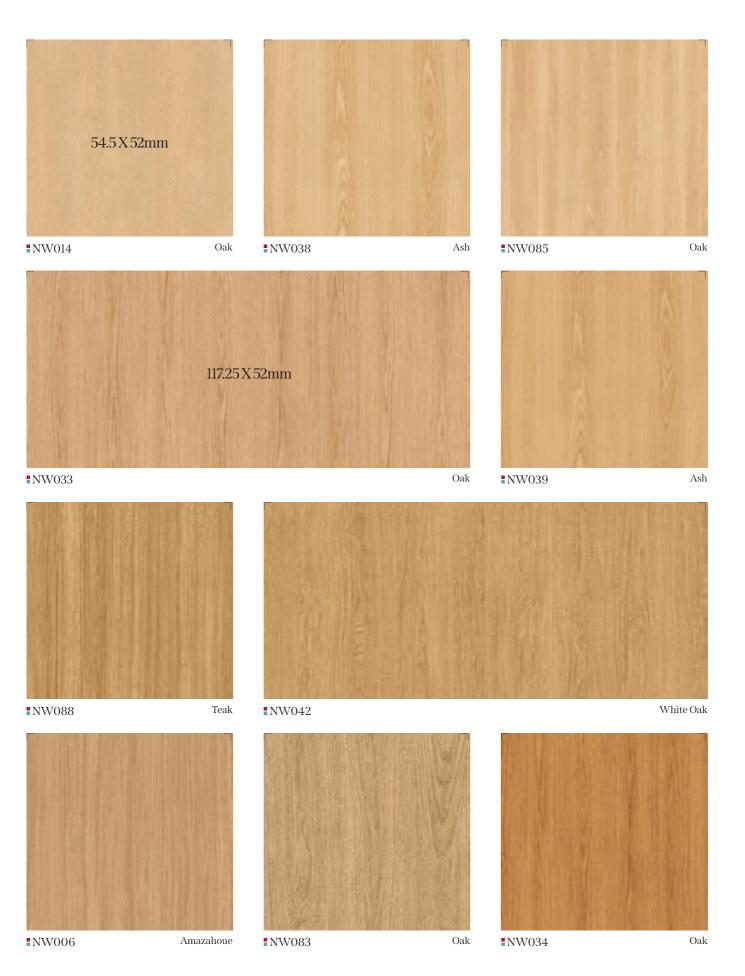


Ash

% We notice that pattern and color of the product in the above image might differ from the actual product.



Premium Wood ভ্রনাণ্ন প্র



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Please call our Sales Office for a list of UK availability: 01753 696977

※ 상기 이미지 안의 제품 패턴과 색상은 실제 제품과 차이가 있을 수 있음을 알려드립니다.







NW044

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NW067 Teak

NW058

Oak



NW043

White Oak

% We notice that pattern and color of the product in the above image might differ from the actual product.



Premium Wood 프리미엄 우드



NW089

Teak



NW045

Walnut



NW007

Amazahoue









Amazahoue

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※ 상기 이미지 안의 제품 패턴과 색상은 실제 제품과 차이가 있을 수 있음을 알려드립니다.





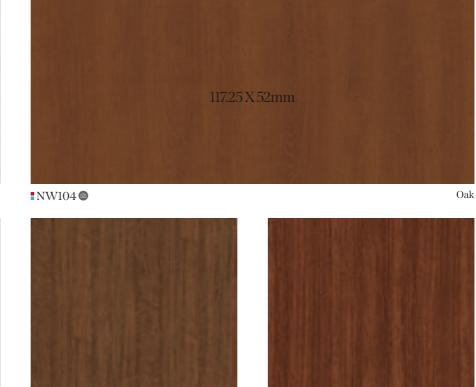




NW046



NW063



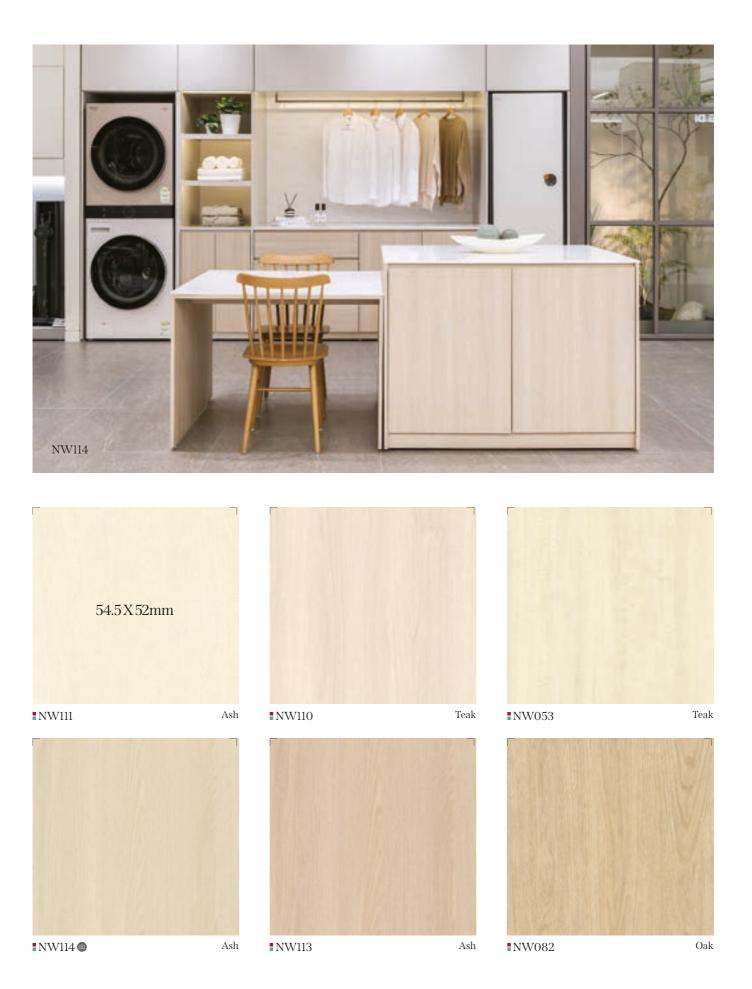




% We notice that pattern and color of the product in the above image might differ from the actual product.



Premium Wood ভ্রনাম প্র



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NW086



Teak

54.5 X 52mm

NW100

Walnut



NW101

Walnut



NW092

Line Teak



Oak

% We notice that pattern and color of the product in the above image might differ from the actual product.



Premium Wood 프리미엄 우드







NW120









NW121

Washed Oak

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※ 상기 이미지 안의 제품 패턴과 색상은 실제 제품과 차이가 있을 수 있음을 알려드립니다.









NW118

Brushed Oak



NW068

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NW056

Teak

% We notice that pattern and color of the product in the above image might differ from the actual product.

Padouk



Wood 95

나무만이 갖고 있는 다양한 색감과 친근한 아름다움을 느껴보세요. Feel the variety of colors and heimish beauty that only woods have.



DW653

62

SPACE Architectural literors Please call our Sales Office for a list of UK availability: 01753 696977 E

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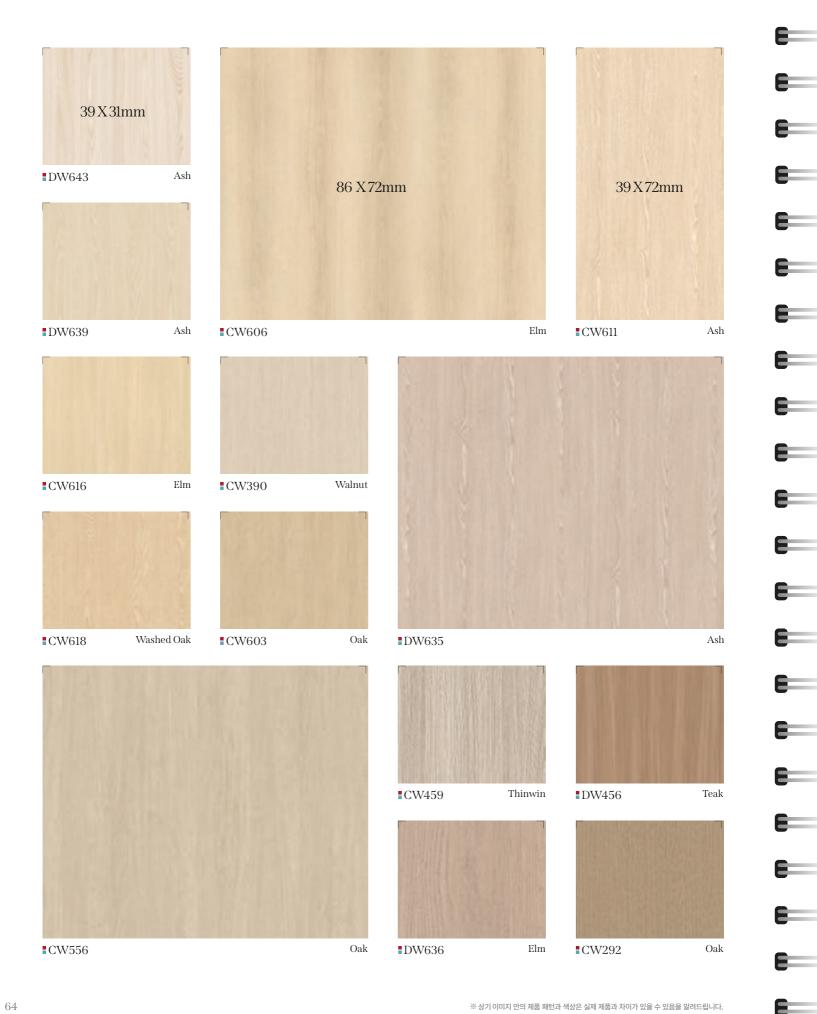
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수 있음을 알려드립니다.





Wood 95



※ 상기 이미지 안의 제품 패턴과 색상은 실제 제품과 차이가 있을 수 있음을 알려드립니다.

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Wood estimates





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Wood 95



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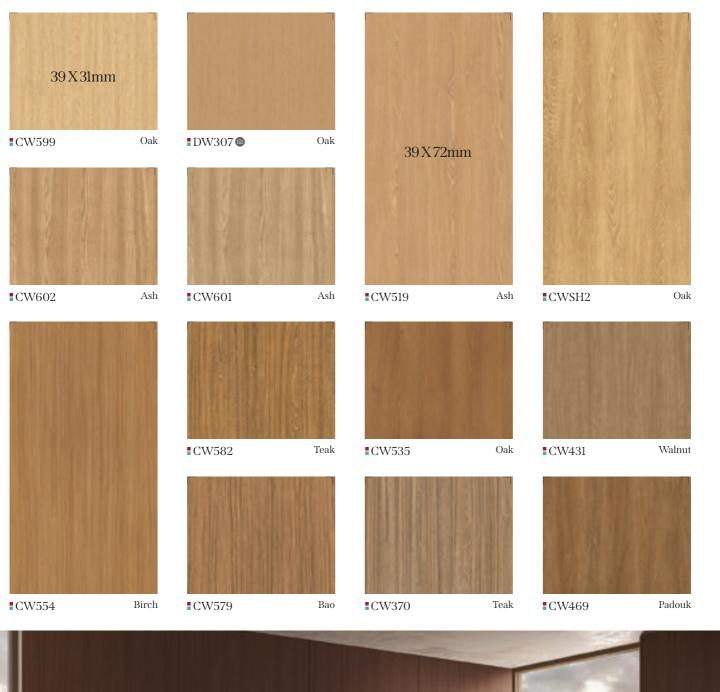
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Wood estimates



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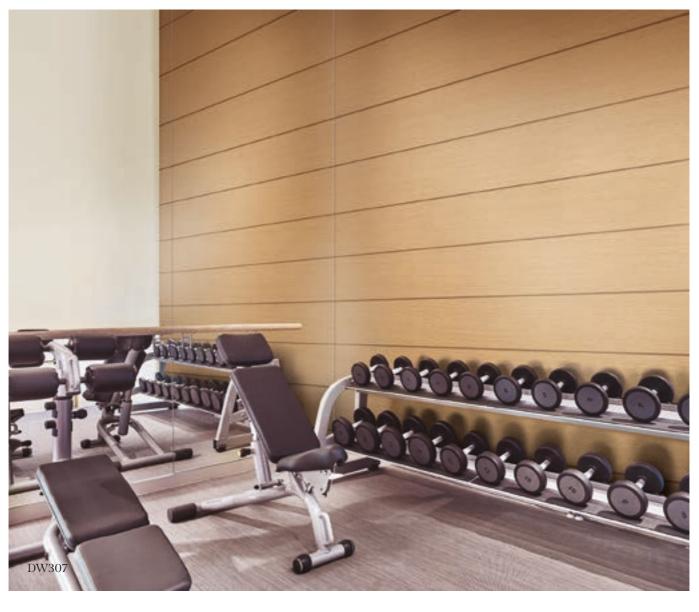
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 CW152

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Cherry

% We notice that pattern and color of the product in the above image might differ from the actual product.

E Wood 95 E E E E 8 E E 0330334 344 E ***** 033 CW537 E E **E** 39X31mm **E** E CW537 Birch CW590 Birch CW79 Maple











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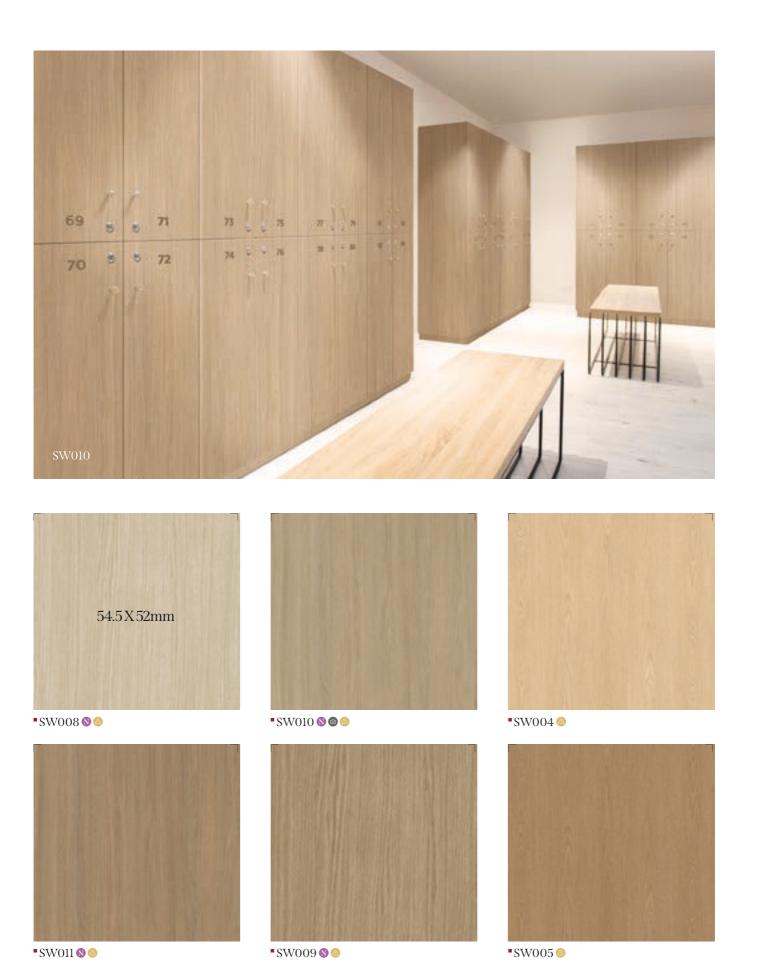
※ 상기 이미지 안의 제품 패턴과 색상은 실제 제품과 차이가 있을 수 있음을 알려드립니다.





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Wood estimates



• SW011 🕲 🙆



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• SW007 🔕 🙆 🧆



•SW001





SW002



• SW012 🔇 🥝

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•SW006 @

•SW003 🧆

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Big Stone ॥스톤

빅 슬랩의 웅장한 마블링과 곧게 뻗은 크랙의 숨결을 느껴보세요. Feel the majestic marbling of the big slab and the breath of straight cracks.



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BM013 🔊 🐵

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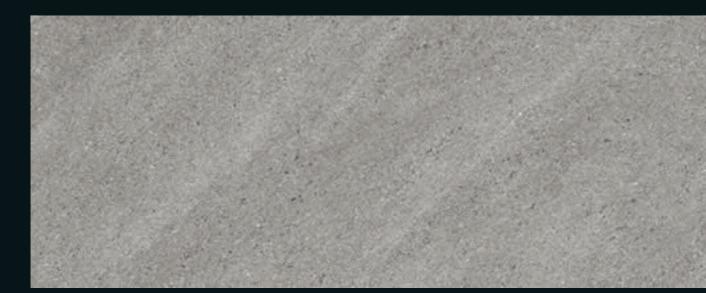
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BM015 🔊 💿

Big Granite



BM019 🔇

Big Granite

% We notice that pattern and color of the product in the above image might differ from the actual product.



Big Stone ULE

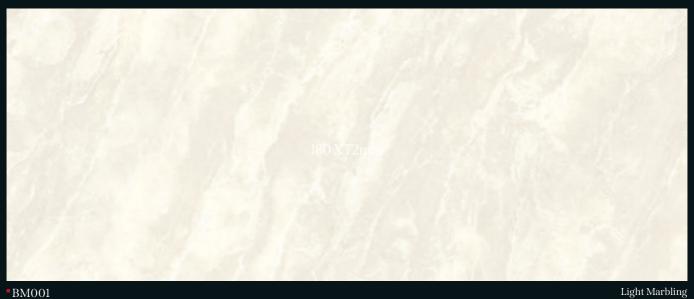




※ 상기 이미지 안의 제품 패턴과 색상은 실제 제품과 차이가 있을 수 있음을 알려드립니다.

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BM001



BM007

Arabescato

BM008





BM002

Marble



Marquina

% We notice that pattern and color of the product in the above image might differ from the actual product.



Big Stone 44





Galaxy Marble



BM003

Gray Marble





BM004

Dark Gray Marble

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Bulky Concrete

BM012

S 3.807.9

Bulky Concrete

※ 상기 이미지 안의 제품 패턴과 색상은 실제 제품과 차이가 있을 수 있음을 알려드립니다.



Stone 4.

부드럽고 섬세한 컬러 위에 스톤의 느낌을 살린 터치감을 경험하세요.

Experience the touch feeling of stone on top of soft and detailed colors.





•NS006 🔇 🙆 🧆

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•NS005 🛇 🙆
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% We notice that pattern and color of the product in the above image might differ from the actual product.

Stone 4.





• ML89 🔇 🚳



• ML91 🔇



※ 상기 이미지 안의 제품 패턴과 색상은 실제 제품과 차이가 있을 수 있음을 알려드립니다.

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• ML101 🔇









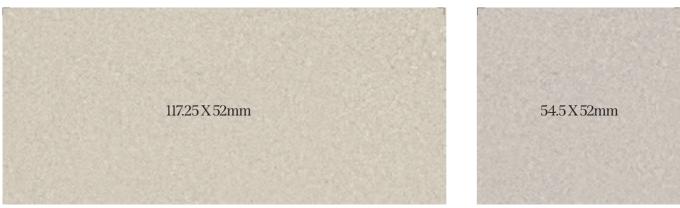
• ML99 🔕

• ML97 🔕 🙆

•ML98 🔇







ML77

ML75



ML76



• ML23



• ML24



ML71

• ML80



ML72



• ML74



• ML73

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Stucco 스타코

아트페인팅의 살아있는 터치감이 세련되고 고급스러운 분위기를 연출합니다. The alive touch of art painting creates a refined and luxurious mood.





MLS03 🔕



MLS01



• MLS06 🔇



MLS04 🕲



• MLS05 🔇

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• MLSO2 🔇 🚳

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Concrete / Mortar 콘크리트 / 모르타르

가공되지 않은 거친 질감과 시크함으로 나만의 앤틱한 공간을 연출해 보세요.

Create your own antique space with unfashioned texture and chic.









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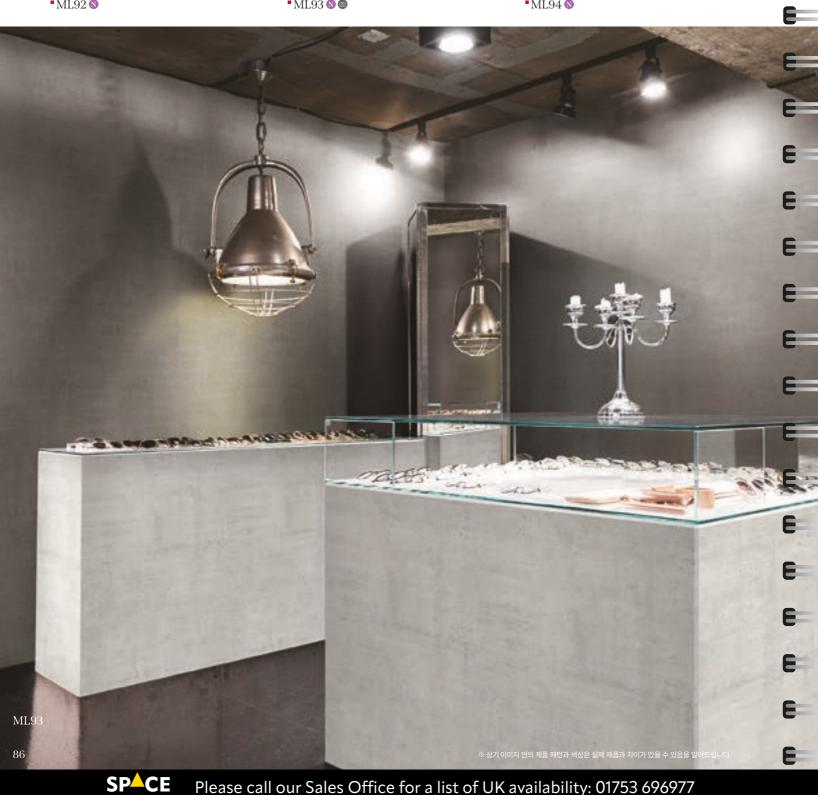
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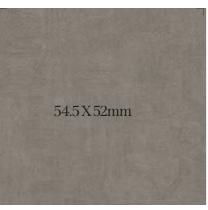
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•ML94 🛇











•ML64

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EL178 🙆

• ML22 🙆





-EL176 🌰

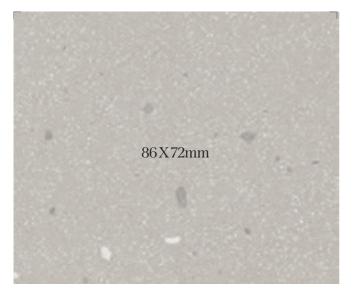
* We notice that pattern and color of the product in the above image might differ from the actual product.

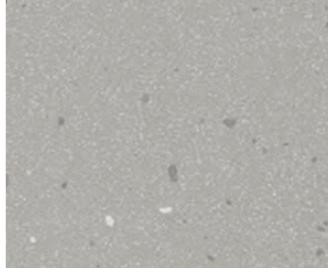


Marble 마블

고급스러운 유럽풍의 대리석이 선사하는 아름다움과 깨끗함을 느껴보세요.

Feel the beauty and cleanliness of luxurious European-style marble.





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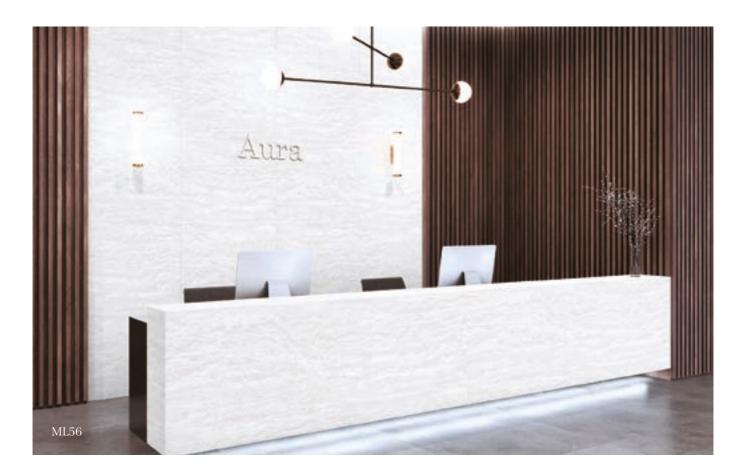
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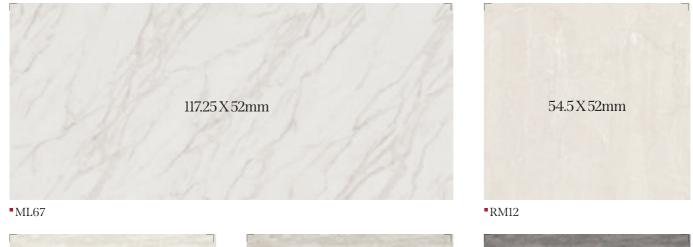
• ML96 🔕

• ML95 🕲 🙆













ML57

ML58

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Textile **ULF**

다양한 색감이 깃든 섬세한 직물이 따뜻하고 포근한 공간을 안겨줍니다. Detailed fabrics in various colors give a space warmly and snugly.

F012/SF014



Please call our Sales Office for a list of UK availability: 01753 696977

※ 상기 이미지 안의 제품 패턴과 색상

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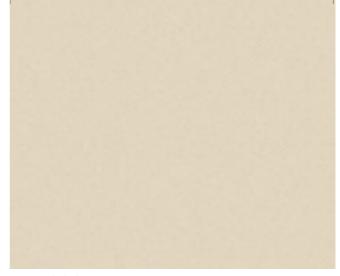
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• SF014 🔕 🙆 🧆



• SF013 🔇 🙆



• SF012 🔕 🙆 🧆



•SF015 🛇 🙆



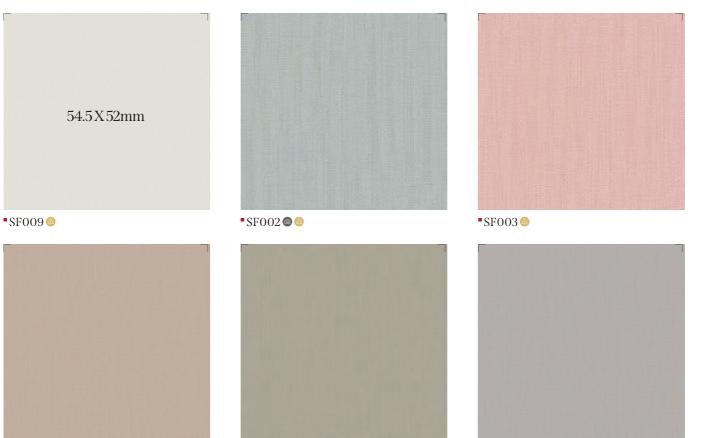
•SF016 🛇 🙆

% We notice that pattern and color of the product in the above image might differ from the actual product.



Textile আএনাথ





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• SF005 @



•SF008

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54.5 X 52mm

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EL235 🌰





EL051



ML48



EL044

EL049



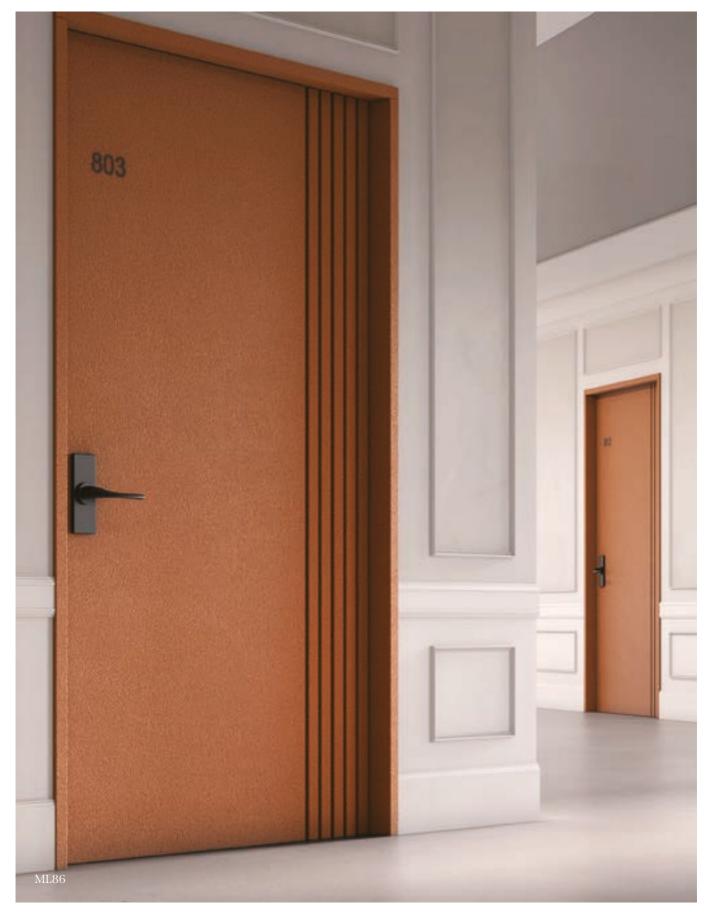
% We notice that pattern and color of the product in the above image might differ from the actual product.



Leather वान

가죽만이 지닌 클래식하면서도 고급스러운 색상, 리얼한 터치감은 럭셔리 그 자체입니다.

The classic and luxurious colors and the realistic touch of leather are luxury itself.



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• ML83 🔇



• ML86 🔇 🚳



• ML87 🔕



•ML84 🔇



• ML85 🔇



•ML88 🔇

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철도차량용 인테리어필름

국토교통부에서 고시하고 있는 철도차량 기술기준에 따른 성능을 보유한 인테리어필름을 제공하며(철도차량 전용 컬러에 한함), KTX 및 SRT 실내 내장재로 사용되고 있습니다.

내장판회재안전기준								
화재성능	시험방법	시험항목	합격기준					
요구기준	시험규격	시엄영속	위험등급[1]	위험등급[2]	위험등급[3]	위험등급[4]		
	ISO 5660-1	MARHE(kW/m², @50kW/m²)	-	\leq 90	\leq 90	≤60		
	ISO 5658-2	Qasb(MJ/m²)	≥1.2	≥1.2	≥1.5	≥1.5		
	ISO 5658-2	CFE(k₩/m²)	≥15	≥18	≥20	≥20		
내장판	ASTM E 662	DS(1.5min)	\leq 150	\leq 100	≤75	≤50		
	ASTM E 662	DS(4.0min)	≤300	≤200	\leq 150	≤100		
	ASTM E 662	DS(10min)	-	-	≤300	≤200		
	BS 6853 Annex B.2	독성지수(R)	≤ 3.6	≤2.7	≤1.6	≤1.6		
	화재성능 합격기준(내장판)에서 가장 높은 위험등급인 4등급 성능							

DFP04





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해외 난연 인테리어필름

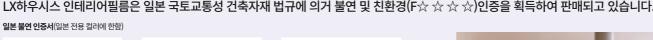
50 X 30mm

일본 불연

중국 난연

DFS03

LX하우시스 인테리어필름은 일본 국토교통성 건축자재 법규에 의거 불연 및 친환경(F☆ ☆ ☆ ☆)인증을 획득하여 판매되고 있습니다.





LX하우시스 인테리어필름은 중국 중화인민공화국 소방법 제 9조에 의거 준불연 등급(A2)을 획득하여 판매되고 있습니다. 중국 준불연 등급(A2) 성적서(중국 전용 컬러에 한함)







Self-healing 인테리어필름

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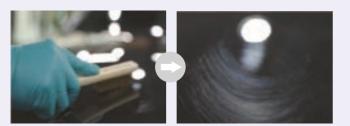
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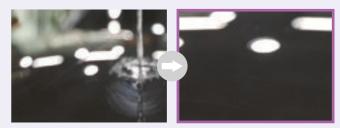
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생활 스크래치와 같은 외관 손상 발생 시 뜨거운 물(80°C↑)이나 열풍을 통해 표면이 자가복원(Self-healing)되는 기술이 적용된 인테리어필름입니다.



스크래치 발생



뜨거운 물에 자가복원

※ 시험방법 : 표면에 *Wire Brush로 스크래치를 발생시킨 후(15mm/min, 왕복 5회) 뜨거운 물(80℃↑)을 붓고 물기를 제거하여 잔여스크래치 측정 ※ 자사 자체 시험결과 기준이며, 실제 사용환경이나 테스트 조건에 따라 차이가 날 수 있습니다.

* Wire Brush	
Model No.	Brass brush 4 lows
Wire diameter x hair length	ф0.14 x 16mm

실제로 체험해보세요.		
샘플 표면에 스크래치를 낸 뒤에 뜨거운 물로 닦으면 스크래치가 지워집니다.	50 X 30mm	
※ 주의사항 : 과도하게 열에 노출 시 필름 변형에 의한 영구적 손상이 발생할 수 있습니다. (적정 표면온도 : 80 ~ 120°C)	50 × 301111	
	White	Black

※ 해당 제품은 제품 특성상 최소 주문 수량이 있으며, 구매를 원하시면 가까운 대리점으로 문의부탁드립니다.

Window Film

휴게, 주거, 사무공간 등에 다양하게 활용 가능한 창문용 데코레이션 필름입니다.

Windeco(PVC) _ EP115, LC5510

EP115

LC5510



Windeco(PET)_LC5601



LC5601

※ 해당 제품 구매를 원하시면 가까운 대리점으로 문의바랍니다.









LX Z:IN 인테리어필름 BENIF 방염제품은 화재 발생 시 고객의 생명과 안전을 지키기 위해서, 국내 및 해외 화재 안전 공인시험을 통과하여 제품 안전성을 인정받고 있습니다.

실내 공간

한국소방산업기술원

CE



한국소방산업기술원에서 형식승인을 받은 방염제를 사용하여 제품을 생산하며, 생산 제품 중 방염성능 검사를 통과한 양품만을 방염인지 표시하여 판매하고 있습니다. (제품별 방염성능검사 합격 성적서 발급)

CE 인증

유럽연합(EU) 안전성 검증 규격입니다. 화재 전파 속도 뿐 아니라, 포름알데히드, 중금속 시험도 통과하여 유럽 내 유통하는 데 있어 제품의 안전성을 입증받았습니다. (인증번호 1121-CPR-KA5008, 방염 제품에 한함)



UL 화염 및 연기 확산 시험(UL723) 검사

글로벌 안전인증기관인 UL(Underwriters Laboratories)에서 화염 및 연기 확산 시험(UL723)을 실시하여 성능을 검증받고 성적서를 확보하였습니다. (성적서 번호 R26170)

Eco-Friendly 환경 친화성

완경 진와성



LX Z:IN 인테리어필름 BENIF는 고객 및 시공자 안전과 환경을 생각하여 인체 및 환경에 유해한 물질을 최소화하기 위한 노력을 꾸준히 하고 있으며, 친환경 제품으로 고객과 커뮤니케이션하고 있습니다.

인간 친화성

FIAY BUILDIN

친환경 건축자재 인증

건축자재의 유해물질을 측정하여 한국공기청정협회에서 제정한 친환경 건축자재 단체 표준인증 규정에 의거하여 검증한 시험 결과, 최우수 등급을 확보하였습니다. 단, 식품 접촉 시 안전성 여부는 검증되지 않았으므로 이 점 유의해주시기 바라며, 인증을 보유하지 않은 칼라가 있으니 인증서를 확인해주시기 바랍니다. (단체표준인증서 제 HB2679G22-01호)



유럽섬유제품 품질 인증

제품/침구/완구/인테리어 자재 등 피부와 접촉이 일어나는 제품에 대해 약 200여 가지의 유해물질을 검증 하는 인증으로, BENIF **일반형(솔리드)** 제품은 업계 최초로 본 인증 1등급(Baby Class)을 획득하여 3세 미만의 영·유아 장난감 및 의류에 사용해도 되는 수준입니다. (인증번호 SE025 164519 TESTEX)

자연 친화성



환경성적표지 인증

제품의 원료부터 생산, 유통, 사용, 폐기 등 전 과정에 대한 환경 영향도를 평가하여 환경 개선을 유도하는 제도로써, BENIF **우드(CW, DW, FW, SW)**는 본 인증을 확보하여 지속적으로 환경 개선을 위해 노력하고 있습니다.**(환경성적표지 제 2020-483호**)

저탄소제품 인증



탄소발자국 값이 최대허용탄소배출량(동종제품의 환경성적표지 탄소배출량의 평균값) 이하거나 최소탄소감축율 이상인 경우 한국환경산업기술원에서 인증하는 것이며, BENIF **솔리드(RS, RGM)**는 본 인증을 확보함으로써, 환경 친화적인 제품으로 널리 사용되고 있습니다. (환경성적표지 제 2019-030호)





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	 · 필름이 시공되는 피착재(MDF 등)의 종류와 상태를 확인하여 시공 시 문제가 발생될 수 있는지 사전에 점검해야 합니다. · MDF의 경우 밀도에 따라 시공 접착력의 차이 및 방염 성능의 차이가 발생하므로 밀도가 균일한 MDF를 사용하도록 합니다. · 도장면은 알코올로 표면의 오염물을 제거해야 하며 용제에 의한 도장면의 손상을 확인하고, · 요철부위는 퍼티 처리 후 샌드페이퍼로 연마하고 이물질을 먼지털이 붓으로 제거해야 합니다. · 철판류는 알코올, 락카신나를 이용하여 표면의 오염물질을 제거한 후 용접에 의한 요철부위는 퍼티로 처리하고, · 샌드페이퍼로 표면을 연마한 후 이물질을 먼지털이 붓으로 제거해야 합니다. · 소비자가 선정한 제품의 이상 유무(패턴명, 외관 상태 등)에 대해 사전 검수 작업을 해야 합니다. 						
	• 필름 시공은 목 공사	후 도장 및 도배 전	단계에서 시행해야 합니!	다.			
2. 표면 사전 작업	• 필름이 시공될 피착재(MDF 등)의 단면(절단)부위는 샌드페이퍼로 충분히 연마해야 합니다. - 특히 목재류(MDF, PB 등)의 경우, 꺾임 부위 및 메지 부분의 평활도가 중요하므로 반드시 사전 확인 후 표면 상태가 거친 경우에는 충분히 샌드페이퍼로 연마하거나 퍼티 처리 후 시공해야 합니다.						
3. 프라이머 처리 (PM-04)	• 필름 시공 시 프라이머는 LX하우시스 전용 수성프라이머(PM-04)를 사용해야 합니다. • 프라이머 처리 시 피착재 중 목재류(MDF, PB 등)의 절단면은 프라이머 흡수율이 높기 때문에 프라이머를 2~3회 도포할 수 있도록 합니다. 중복 도포는 먼저 도포한 프라이머가 완전히 건조된 후 실시합니다. • 프라이머의 권장 희석비율과 건조시간은 아래와 같으니 참고해주시기 바랍니다.						
		시기	월	프라이머	물	건조시간(권장)	
	수성프라이머와 물의 혼합비	동절기 춘추절기 하절기	12~3월 4~5월, 10~11월 6~9월	1 1 1	1 1.5 2	24 12 8	
	• 최대한 피착재가 보이 • 제품 Lot간 색상 차이			¦니다. ⊰해야 합니다.			
5. 특정제품 시공 유의사항	• 제품 Lot간 색상 차이 • 시공 전 72시간부터 동절기 시, 외부에 제 SW, EL • 년 오 • 표	가 발생할 수 있으며 시공 후 48시간까지 품을 방치할 경우, 7 은 제품들은 표면 필 양모펠트나 면장갑으 표면 처리층으로 인해	공을 해야 합니다. 므로 Lot를 구분하여 시공 는 현장 온도를 15~25°(기온 하락에 따른 점착력 름층이 없고 표면 처리만 으로 강하게 문질러 꺾을 <i>i</i> 해 필름 겹침 시공 시, 슬람 4 원액을 도포 후 충분히	응해야 합니다. C로 유지해야 합니다. 저하 현상이 발생할 수 되어 있는 제품이므로 시, 인쇄층이 손상될 수 립이 날 수 있으니,	르, 모서리부위를 있으니 주의해서 /	사용해야 합니다.	
5. 특정제품 시공 유의사항	• 제품 Lot간 색상 차이 • 시공 전 72시간부터 동절기 시, 외부에 제 SW, EL • 분 양 • 표 구 PME • 투	지가 발생할 수 있으므 시공 후 48시간까지 품을 방치할 경우, 7 로 제품들은 표면 필 양모펠트나 면장갑으 표면 처리층으로 인혜 ▷성프라이머 PM-0 르착면이나 점착면에	그로 Lot를 구분하여 시공 는 현장 온도를 15~25°(기온 하락에 따른 점착력 름층이 없고 표면 처리만 으로 강하게 문질러 꺾을 . 해 필름 겹침 시공 시, 슬립	응해야 합니다. C로 유지해야 합니다. 지하 현상이 발생할 수 되어 있는 제품이므로 시, 인쇄층이 손상될 수 립이 날 수 있으니, 건조하여 시공해야 합	르, 모서리부위를 는 있으니 주의해서 / t니다.		
5. 특정제품 시공 유의사항	• 제품 Lot간 색상 차이 • 시공 전 72시간부터 동절기 시, 외부에 제 SW, EL • 탄 9 • 표 4 PME • 탄 7 PW, SF, NS • 일 7 2	지가 발생할 수 있으며 시공 후 48시간까지 품을 방치할 경우, 7 실제품들은 표면 필 양모펠트나 면장갑으 표면 처리층으로 인해 >성프라이머 PM-04 실한 제품에 비해 제 등분히 표면에 압착해	그로 Lot를 구분하여 시공 는 현장 온도를 15~25°C 기온 하락에 따른 점착력 름층이 없고 표면 처리만 으로 강하게 문질러 꺾을 4 해 필름 겹침 시공 시, 슬립 4 원액을 도포 후 충분히	응해야 합니다. C로 유지해야 합니다. 저하 현상이 발생할 수 되어 있는 제품이므로 시, 인쇄층이 손상될 수 립이 날 수 있으니, 건조하여 시공해야 합 시공할 경우, 이물질 특 에 취유야 합니다.	은, 모서리부위를 > 있으니 주의해서 / 남니다. 본분이 표면으로 돌출 프라이머 처리 후 제품	들되므로	





Interior Film for railroad vehicle

We offer Interior Films that possess the performance required by the technical standards for railroad vehicles as announced by the Ministry of Land, Infrastructure and Transport(limited to colors specified for railroad vehicles), and these films are used as interior materials for KTX and SRT.

Inside Panel Fire Safety Standards							
Fire	Test Method		Passing Criteria				
Performance Requirements	Test Standard	Test Item	Hazard Level [1]	Hazard Level [2]	Hazard Level [3]	Hazard Level [4]	
Inside Panel	ISO 5660-1	MARHE(kW/m², @50kW/m²)	-	≤90	≤90	≤60	
	ISO 5658-2	Qasb(MJ/m²)	≥1.2	≥1.2	≥1.5	≥1.5	
	ISO 5658-2	CFE(kW/m²)	≥15	≥18	≥20	≥20	
	ASTM E 662	DS(1.5min)	\leq 150	\leq 100	≤75	≤50	
	ASTM E 662	DS(4.0min)	≤300	≤200	≤150	≤100	
	ASTM E 662	DS(10min)	-	-	≤300	≤200	
	BS 6853 Annex B.2	Toxic index(R)	≤3.6	≤2.7	≤1.6	≤1.6	

Performance of Hazard Level 4, which is the highest Hazard level in the Fire Performance Passing Criteria(Inside Panel)







E

Flame Resistance Interior Films from oversea

Japan non-combustible

LX Hausys Interior Film is being sold after obtaining non-combustible and eco-friendly(F☆☆☆☆) certifications based on Construction Materials Regulations from the Ministry of Land, Infrastructure, Transport and Tourism in Japan.

Japan non-combustible Certification(only for colors limited in Japan)



China Flame Resistance

LX Hausys Interior Film is being sold after obtaining a semi non-combustible rating (A2) according to Article 9 of the Fire Service Act in the People's Republic of China.

China semi non-combustible rating(A2) Report(only for colors limited in China)

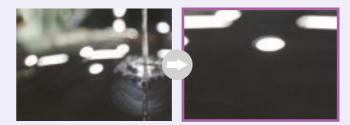




Self-healing Interior Film

When the appearance of damage such as daily scratches occurs, this Interior Film is equipped with a self-healing technology where the surface is restored through hot water ($80^{\circ}C$ \uparrow) or hot air.





Self-healing in hot water

Scratch occurred

* Test method: Scratches are generated on the surface using a "Wire Brush (15mm/min, 5 reciprocations), and residual scratches are measured after pouring hot water (80°C or above) and removing moisture.
 * This is based on our own test results, and actual results may vary depending on the usage environment or test conditions.
 Please experience it in real life

 After creating scratches on the sample surface, they can be removed by wiping with

 After creating scratches on the sample surface, they can be removed by wiping with

※ Caution: Excessive exposure to heat may cause permanent damage due to film deformation. (Optimal surface temperature: 80 ~ 120°C) 50 X 30mm

Black

* As a product feature, there is a minimum order quantity for this product. If you wish to make a purchase, please inquire at your nearest vendor.

White

Window Film

hot water.

This is a decorative film for windows that can be used in various settings such as relaxation spaces, residential areas, and offices.

Windeco(PVC) _ EP115, LC5510

EP115

LC5510



Windeco(PET)_LC5601

LC5601



LC2001

% If you wish to make a purchase, please inquire at your nearest vendor.



Certification & Test Report

Fire Safety

To keep the safety and life of our customers in case of a fire, LX Z:IN Interior Film BENIF flame retardancy product is considered to be commendable for product stability by passing domestic and international fire safety certifications.

Interior space



Flame Retardancy Test

We manufacture our products using fire retardants that have been approved by Korea Fire Equipment Inspection Corporation, and only sell those items that have passed the flame retardancy test and then indicate the fire retardant label.

(Each product being issued with the flame retardancy test report that has passed the test.)

CE Certification

It is the stability verification standard of European Union(EU). The product's stability within the European market has been substantiated by passing not only the flame spread rate test but also formaldehyde and heavy metal tests.

(Certification Number 1121-CPR-KA5008, limited to flame retardancy product)



CF

UL flammability and smoke diffusion test(UL723) examination

Our product's performance has been verified via flammability and smoke diffusion tests(UL723) conducted by the global safety certification organization UL(Underwriters Laboratories). After that, we have obtained the test report.

(test report number R26170)

Eco-Friendly

LX Z:IN Interior Film BENIF is making steady efforts to minimize substances harmful to the human body and the environment, considering the safety of customers and contractors and the environment, and communicating with customers with eco-friendly products.

Human affinity



Eco-Friendly construction materials certification

We have tested and verified the harmful substances in building materials, according to the certification standards for eco-friendly building materials established by the Korea Air Cleaning Association. As a result of the testing, we have obtained the highest grade. However, please note that the safety of these materials in contact with food has not been verified. Also, there are some colors that have not been certified, so please check the certification document for more information. (Group Standard Certification No. HB2679G22-01)



The European textile product quality certification

This certification verifies the absence of approximately 200 harmful substances in products that come into contact with skin, such as general products, bedding, toys, and interior materials. BENIF's **General (solid)** products were the first in the industry to obtain the 1st grade certification (Baby Class) under this standard, which confirms their suitability for use in clothing and toys for infants and toddlers under 3 years of age. (Certification No. SE025 164519 TESTEX)

Nature affinity



Environmental Product Certification

It is a system that evaluates the environmental impact of the entire process, including raw materials, production, distribution, use, and disposal of certified products, and encourages environmental improvements. BENIF **Wood (CW, DW, FW, SW)** has obtained this certification and is continuously striving for environmental improvement. (Environmental Product Certification No. 2020-483)

Low Carbon Product Certification



If the carbon footprint value is equal to or less than the maximum allowable carbon emissions (average carbon emissions of environmentally friendly labeled products of the same type), or if the minimum carbon reduction rate is achieved, it is certified by the Korea Environmental Industry & Technology Institute. BENIF **Solid (RS, RGM)** has obtained this certification and is widely used as an environmentally friendly product. (Environmental Product Certification No. 2019-030)



Installation Instructions

 It is necessary to check the type and condition of the adherend(MDF, etc.) on which the film is may occur during installation. In the case of MDF, it is recommended to use MDF with uniform density, as the difference in installation adh performance occurs depending on the density. The painted surface should be cleaned with alcohol to remove contaminants and checked for damage by th be polished with sandpaper after putting treatment and foreign matters should be removed with a dust brue. For iron plates, after removing contaminants from the surface with alcohol or lacquer, the uneven areas cau by puttying. Foreign matters should be removed with a dust brush after polishing the surface with sandpaper It is necessary to perform preliminary inspection on whether the product selected by the const (pattern name, appearance, etc.) Film installation should be carried out after carpentry work and before painting and wallpaper 						and flame retardant vent. The uneven areas should by welding should be treated er has defects.	
2. Surface Pre-work	 The cross-section(cutting) part of the adherend(MDF, etc.) where the film will be applied must be sufficiently polished with sandpaper. In particular, in the case of wood(MDF, PB, etc.), smoothness of the bent and joint parts is important. Therefore, if the surface condition is rough after inspecting in advance, it must be sufficiently polished with sandpaper or putty treatment before installation. 						
3. Primer Treatment (PM-04)	• For the primer treat the primer should	atment, the cut surface of wo be applied 2-3 times. Overlap	water-based primer (PM-04) mus od(MDF, PB, etc.) among the adl oping is done after the primer ap ratio and drying time for Primer	herends ha	as a high ore has b	een completely dried.	
	Ratio of mixing water and water-	Time Winter season	Month December - March	Primer 1	Water 1	Drying time (recommended) 24	
	based primer	Spring and Autumn season Summer season	April - May, October- November June - September	1	1.5 2	12 8	
5. Installation Instructions for Specific Products	 In winter, if the product is left outside, adhesion may decrease due to a drop in temperature. SW, EL These products do not have a surface film layer but only do surface treatment. If you strongly rub the corners with wool felt or cotton gloves, the printed layer may be damaged, so please use our product carefully. Due to the surface treatment layer, it may slip when film is overlapped. Therefore, the installation should be done after applying the water-based primer PM-04 undiluted solution and drying it sufficiently. 						
	• When applying the film to a surface with foreign substances or contaminants, those substances may protrude from the surface and negatively affect the film's adhesion. Therefore, it is essential to thoroughly clean the surrounding environment and perform sanding work on the adhesive surface to ensure optimal adhesion.						
	р	roducts, it is necessary to appl	re thicker and have a different de y sufficient pressure to attach the ore force to the folding and overla	e product t	to the surf	ace after primer treatment.	
6. Other Precautions	 For installation me specifications, you Air bubbles may occ The shelf life of LX in a place without temperature and 5 When moving or tr (especially during ' Please be advised impact of heat and 	thods and adherends (MDF, e must contact LX Hausys or a cur during installation on acrylic ar Hausys Interior Film is valid f high temperature and humid 0% humidity. cansporting the product, plea the winter season). that release paper may unde	to the installation standards of t tc.), in case of the installation or vendor to confirm the possibilit dherends, so please check with LX Ha for two years from the date of fa- ity and avoid direct sunlight. Th se avoid dropping it as the prod rgo contraction or expansion du recommend utilizing release pa	n a differei ty of instal iusys or a ve ctory proc ie ideal con luct may b aring proce	nt type o lation. endor befo duction. F nditions f preak due essing and urements	re installation. Please store the product for storage are 20°C to impact d storage due to the s as a point of reference,	







LX Hausys

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