ECOLAY+
EASIEST & STRONGEST GLUELESS LVT

NOX Corp.

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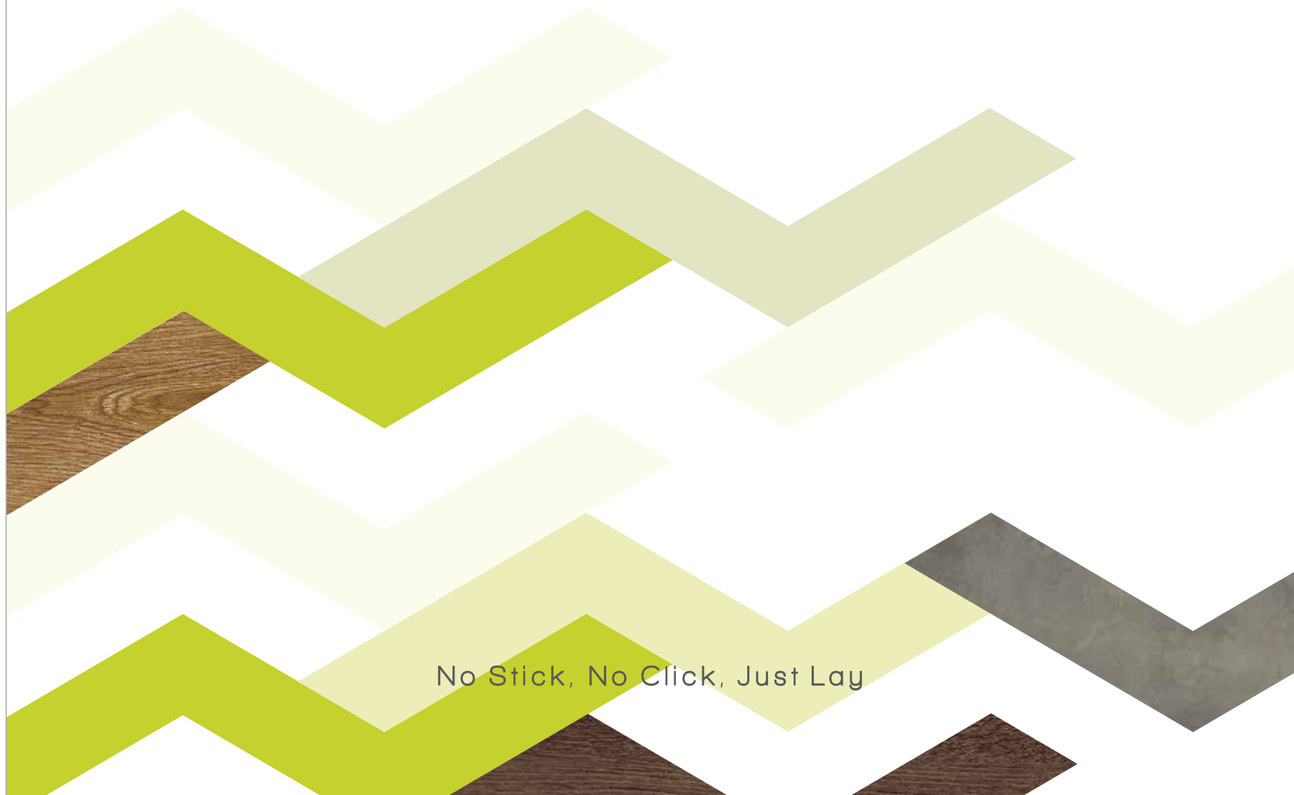
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merino®
ECONOMY ◆ EXCELLENCE ◆ ETHICS

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ECOLAY+
EASIEST & STRONGEST GLUELESS LVT



No Stick, No Click, Just Lay

Proven loose-lay system installed in global market mainly for heavy commercial installation with its unique structure of unparalleled dimensional stability, diverse designs, and size options

ECOLAY+

EASIEST & STRONGEST GLUELESS LVT

Retail shop | Canvas NLI-27814

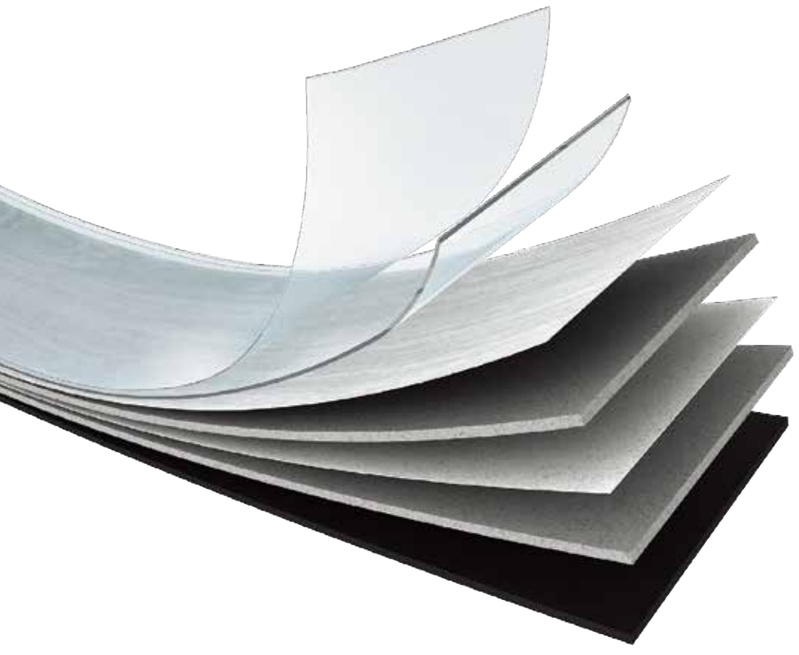
ECOLAY+ Difference

With NOX EPT™ Shield & EMT™ Core Technologies

NOX Corporation, one of the world-largest LVT manufacturers, traces its roots to chemical engineering with expertise in core components of LVT flooring for more than 50 years. Its NOX EPT™ shield & EMT™ core technologies are the foundation of ECOLAY+ innovation, providing the most stable and eco-friendly products.

Proven innovation of ECOLAY+ since 2003

Distinguished NOX EMT™ core structure ensures the unparalleled dimensional stability and extra sound absorption of ECOLAY+.



EPT™ shield

- Safe and strong 2-fold LVT surface shield technology
- PU or Ceramic PU coating treatment [Anti-Bacterial] without using Nano-silver [controversial to be harmful for human health]
- Clear design protection layer

EMT™ core - 6L

- Stable and eco-friendly LVT core technology
- 6-layered EMT™ core structure for long-term dimensional stability

Advantages of ECOLAY+

Most diverse sizes
- 3 plank sizes including grande plank size
- 2 tile sizes including grande tile size

Superior dimensional stability with
- NOX EPT™ shield & EMT™ core technologies
- Fiberglass stabilization layer

Easy to install, replace, and remove

Silent and soft floor

Certified low VOCs and non-phthalate technology

100% recyclable

Ultra water-resistant

Suitable for heated floor

Easier maintenance than traditional laminated wood and natural stone flooring

HD design

Rustic Edge

The first in LVT, 'Rustic Edge' technology of NOX

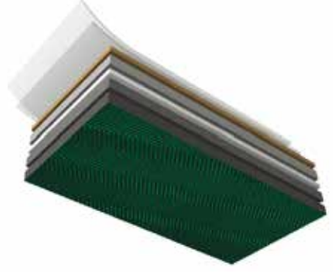
Get the natural, timeworn look of rustic wood flooring, in a range of on-trend colors and styles.
ECOLAY+ can be supplied with 'Rustic Edge' type according to your request.
Only available for 177.8 x 1,219.2 mm (7 x 48 inch)



Non-skid backing of ECOLAY+

ECOLAY+ can be supplied with non-skid backing type according to your request.





ECOLAY+ Plank

Grande size of wood plank with rich and versatile look

Dimension
180 X 1,201 mm / 235 X 1,505 mm

Total Thickness
5mm



Residential | Everest Oak NLG-45506

Plank

Dimension
180 X 1,201 mm



Restaurant | Mountain NLP-43111

Mountain | Brown Embossed-In-Register | NLP-43111



Washy Oak | Brown Embossed-In-Register | NLP-400A11



Elegant Oak | Blond NLP-5511



Heritage Oak | Brown NLP-6902



Mountain | Chocolate Embossed-In-Register | NLP-43101



Plank

Dimension
180 X 1,201 mm

Washy Oak | White NLP-40003

Washy Oak | Brown Grey Embossed-In-Register | NLP-400A6



Washy Oak | Light Brown Embossed-In-Register | NLP-400A3





Restaurant | Washy Oak NLP-400A6

Plank

Dimension
180 X 1,201 mm

Heritage Oak | Grey NLP-6901



Elegant Oak | Grey NLP-5510



Washy Oak | Dark Grey NLP-40008





Hospitality | Washy Oak NLP-40008

Grande Plank

Dimension
235 X 1,505 mm



Residential | Santana Oak NLG-6220

Everest Oak | Golden NLG-45506



Santana Oak | Grey NLG-6220



Santana Oak | Brown NLG-6221



Everest Oak | Light NLG-45505



Everest Oak | Dark NLG-45502



ECOLAY+ Tile

Unique size options of concrete and stone tile bringing a sense of elegancy.

Dimension
600 X 600 mm / 914.4 X 914.4 mm (36 X 36 inch)

Total Thickness
5mm

Retail Shop | Urban Concrete NLI-14325

Tile

Dimension
600 X 600 mm



Restaurant | Ornamental NLI-40901

Ornamental | Grey NLI-40901



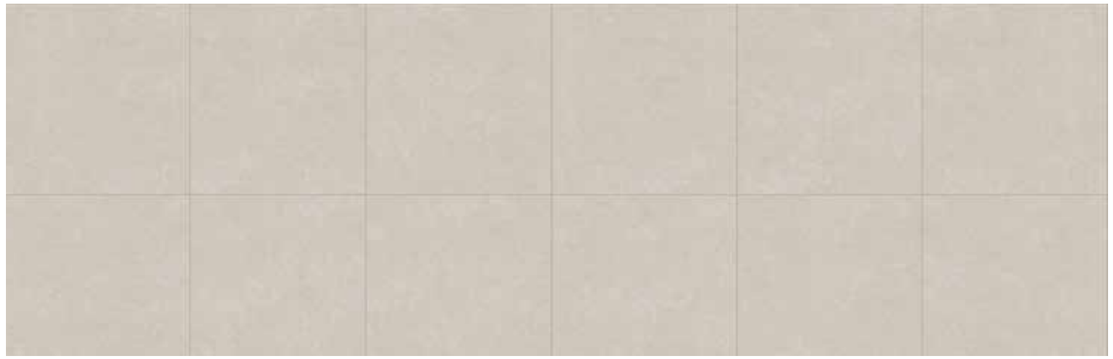
Ornamental | Dark Grey NLI-40902





Hospitality | Canvas NLI-2130

Canvas | Beige NLI-27814



Canvas | Grey NLI-2130



Grande Tile

Dimension
914.4 X 914.4 mm (36 X 36 inch)



Corporate Office | Fresco NLI-2302

Fresco | Beige NLI-2301



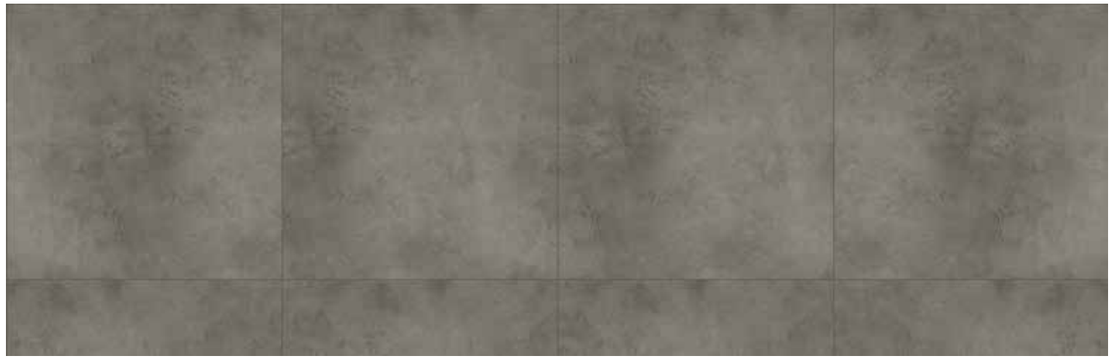
Fresco | Grey NLI-2302



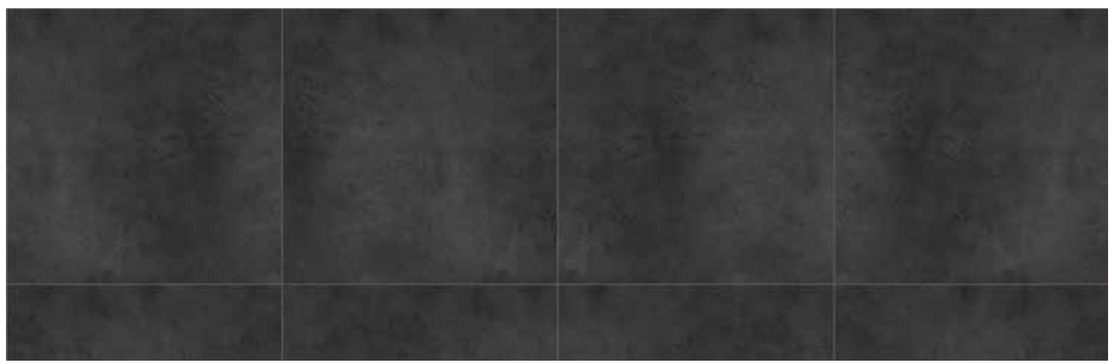
Urban Concrete | Light Grey NLI-1010



Urban Concrete | Dark Grey NLI-1011



Urban Concrete | Black NLI-14325



ECOLOCK+ Grande Puzzle Tile

Grande puzzle tile giving a balance between impact and practicality

Dimension
914.4 X 914.4 mm (36 X 36 inch)

Total Thickness
5mm

Sports Center | Puzzle NKI-29701

Proven innovation of ECOLOCK+

Distinguished 'NOX EMT™ core structure ensures the unparalleled dimensional stability and extra sound absorption of ECOLOCK+.

EPT™ shield

- Safe and strong 2-fold LVT surface shield technology
- PU or Ceramic PU coating treatment [Anti-Bacterial] without using Nano-silver [controversial to be harmful for human health]
- Clear design protection layer

EMT™ core - 6L

- Stable and eco-friendly LVT core technology
- 6-layered EMT™ core structure for long-term dimensional stability



Advantages of ECOLOCK+

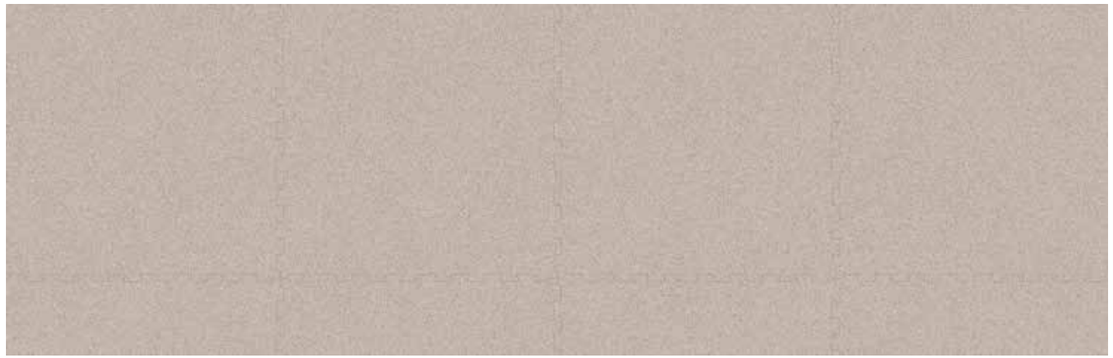
- Inter-locking system for easy installation and unique design
- Superior dimensional stability with
  - NOX EPT™ shield & EMT™ core technologies
  - Fiberglass stabilization layer
- Easy to install, replace, and remove
- Silent and soft floor
- Certified low VOCs and non-phthalate technology
- 100% recyclable
- Ultra water-resistant
- Suitable for heated floor
- Easier maintenance than traditional laminated wood and natural stone flooring

ECOLOCK+

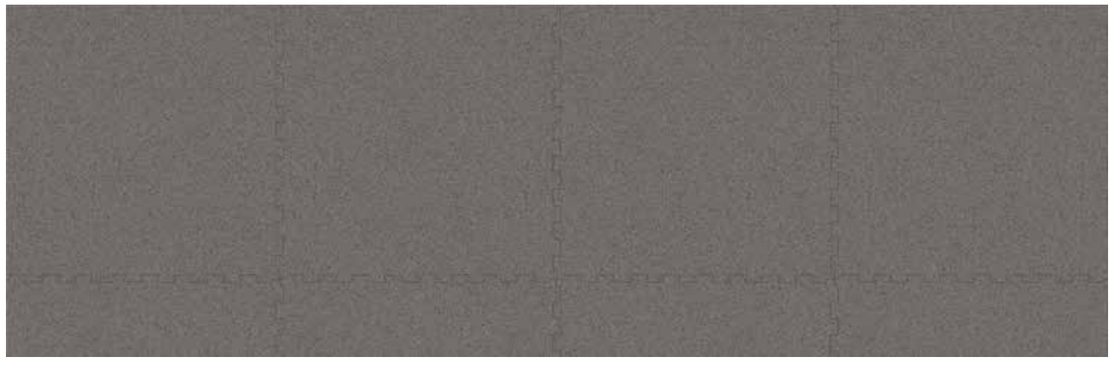
Dimension

914.4 X 914.4 mm (36 X 36 inch)

Puzzle | Sand Grey NKI-29706

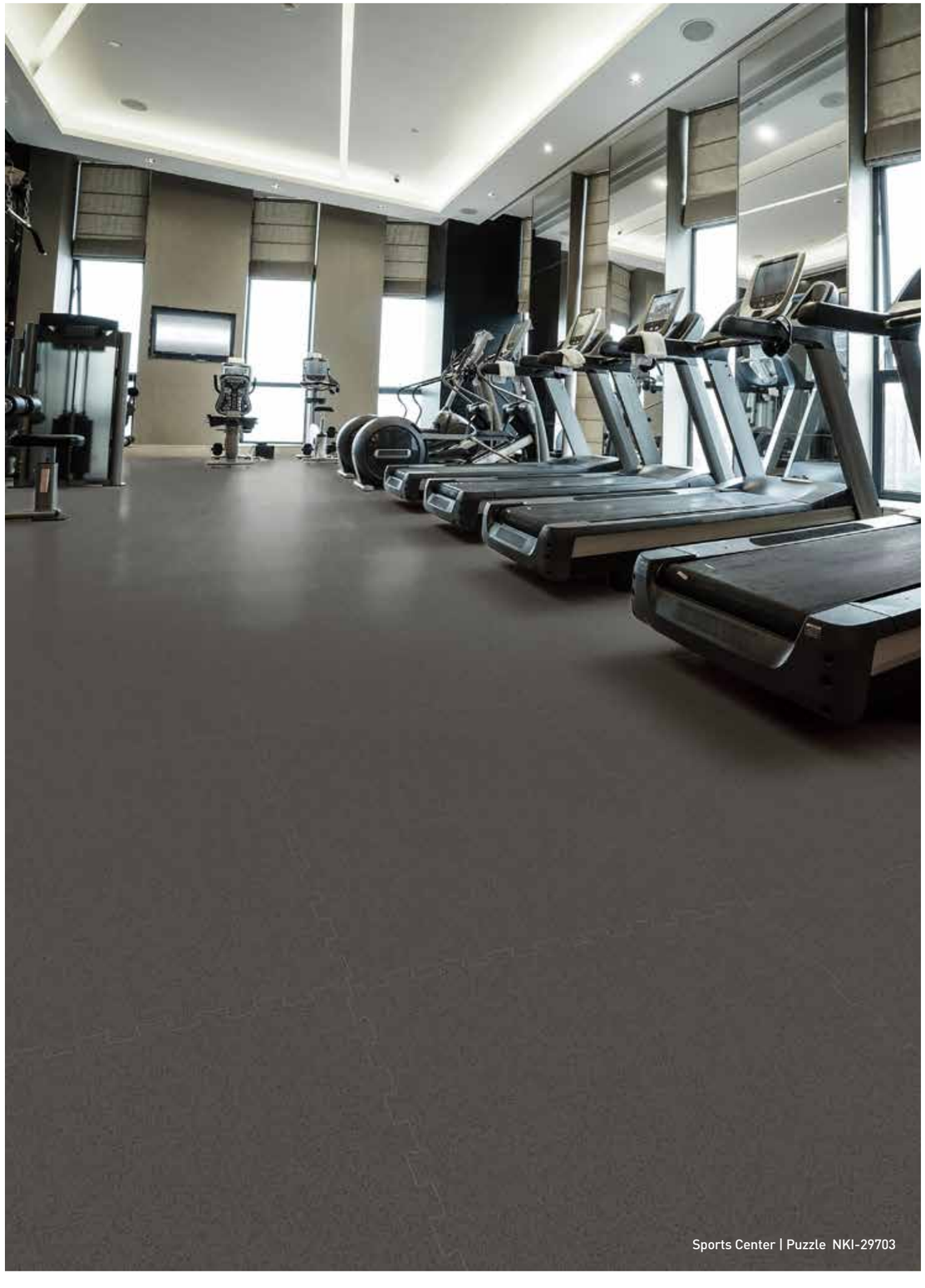


Puzzle | Dark Grey NKI-29701



Puzzle | Black NKI-29703





Sports Center | Puzzle NKI-29703

ECOLAY+ Plank


NLP-43111


NLP-400A11


NLP-5511


NLP-6902


NLP-43101

NLP-40003


NLP-400A6


NLP-400A3


NLP-6901


NLP-5510


NLP-40008


NLG-45506


NLG-6220

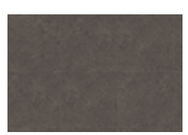

NLG-6221


NLG-45505

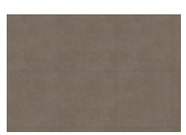

NLG-45502

Tile


NLI-40901


NLI-40902


NLI-27814


NLI-2130


NLI-2301

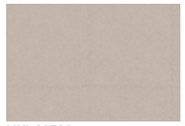

NLI-2302

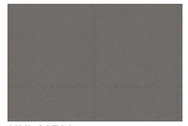

NLI-1010

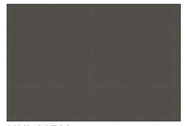

NLI-1011


NLI-14325

ECOLOCK+


NKI-29706

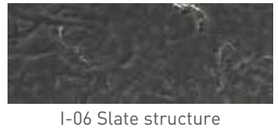

NKI-29701


NKI-29703

Surface Embossing

ECOLAY+ with 7 different surface embossing textures including natural Embossed-In-Register

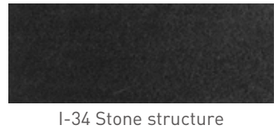

I-03 Sand structure


I-06 Slate structure


I-14 Wood structure


I-17 Natural wood structure


I-22 Wood structure


I-34 Stone structure


I-35 Design wood structure

The first in LVT, "Built-In-Grout" available

When installed, the natural grout line will appear, allowing for the natural elegance of stone and ceramic tiles to shine.
ECOLAY+ can be supplied in grout type according to your request.



Technical Information

Installation Guidelines

- Prior to installation, the subfloor must be heated for 14days if heating is available, and if not, allow sufficient time to dry out completely.
- Room temperature must be maintained at 18˚C or higher before and during installation.
- The flooring must be allowed to acclimate in the room to be installed for a minimum of 24 hours and be stacked flat on the floor to avoid bending the floor.
- Prior to installation, please ensure that both color and lot# are the same.
- When installing ECOLAY+, be sure to keep dust, dirt or foreign particles away from the locking strip.

Maintenance

- Regularly sweep floor to remove sand and grit that can scratch floor.
- For best results, use only water with a mop. Avoid flooding the floor with too much water.
- For heavily soiled areas, use a neutral ph balanced floor cleaner.
- Use caution when lifting boxes.
- Promptly remove any standing water to avoid slippage.
- Keep ECOLAY+ on the flat surface to keep it from warping

Size & Packing

Brand	Thickness [mm]	Wear layer	Size [mm]	Pcs/Box	Sqm/Box
ECOLAY+	5	0.30mm / 0.55mm	180 X 1,201	10	2.16
			235 X 1,505	6	2.12
			600 X 600	6	2.16
			914.4 X 914.4 [36" X 36"]	3	2.51
			914.4 X 914.4 [36" X 36"] [with Non-Skid backing]	4	3.34
			177.8 X 1,219.2 [7" X 48"]	10	2.17

Test Result

Product Specification	Standard	ECOLAY+
Surface treatment (NOX EPT™ Shield)	ISO 22196 ASTM G21-15	Anti-Bacterial Anti-Fungi
Level of Use	ISO 10874	0.30mm : 23, 31
		0.55mm : 23, 33, 42
Total thickness	ISO 24346	+0.13mm / -0.10mm
Wearlayer Thickness	ISO 24340	+13% / -10%
Weight (g/㎡)	ISO 23997	+13% / -10%
Dimensional stability & Curling after exposure to heat	ISO 23999	≤0.10%
		≤1.0mm
Abrasion group	EN 660-2	Class T
Castor Chair resistance	ISO 4918	No damage
Squareness & Straightness	ISO 24342	≤400mm : ≤0.25mm
		＞400mm : ≤0.35mm
	ASTM F2055	≤0.01in
Residual indentation	ISO 24343-1	≤0.1mm
Static Load Limit	ASTM F970	≤0.005in@250psi min
Light Fastness	ISO 105-B02	≥6
Slip resistance	EN 13893	DS
	DIN 51130	R10
Impact Sound Reduction	EN ISO 10140-3	9 db
Resistance to Chemicals	ISO 26987	No defects
Thermal resistance	EN 12667	0.017 (m²K)/W
Fire resistance	EN 13501-1	Bfl-s1
Body Voltage	EN 1815	≤2kV
Peel resistance	ISO 24345	More than 60N/50mm
Formaldehyde Group	EN 717-1	E1
VOC emissions	IAC GOLD CERTIFIED FLOOR SCORE CERTIFIED	Very low VOC

KS M 3802 JIS A 5705 ISO 9001 ISO14001