



# MERINO FLOORING

LUXURY VINYL  
TILE (LVT)

5mm  
**ECOCLICK+**  
**ECOLAY+**

★ **10** *Years* **WARRANTY** ★

## KEY FEATURES ECOCLICK+ & ECOLAY+



ANTI  
BACTERIAL



ANTI  
FUNGAL



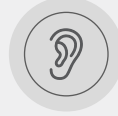
ULTRA WATER  
RESISTANT



EASY TO  
MAINTAIN



100%  
RECYCLABLE



SILENT AND  
SOFT FLOOR

NOX's sustainable practices at each stage of production with evolved Circular IVP



NOX CIRCULAR IVP



### RENEW

#### Carbon - reducing raw materials

- The world's first and most sustainable flooring with over 90% of key raw materials converted into carbon - reducing materials using recycled resources such as discarded cooking oil and used PET bottles



### REDUCE

#### Waste zero

- Minimizes energy usage and waste in manufacturing.
- Minimizes the use of resources for installation and a maintenance with product innovation



### RECYCLE

#### 100% Recyclable

- Produces 100% easily recyclable floorings only.

## THE FIRST AND FOREMOST SUSTAINABLE INNOVATION

### Cornerstone of quality and technology

- Introduced World's first and only IVP system
- Launched 'EMT applied LVT, a cornerstone of superior quality and technology

### Innovative invention of sustainable product

- World's first eco-friendly glueless LVT click flooring "ECOCLICK and Looselay LVT 'ECOLAY"
- World's first to produce phthalate free LVT

### First use of safe and sustainable raw material

- Utilize environment-friendly calcium zinc stabilizer and DOTP for the first time in the industry.
- Launched antimicrobial coating technology, NOX EPT (Eco-Pro-Tec) Shield

## A DIFFERENT ORIGIN FOR A SUSTAINABLE TOMORROW

### GREEN MOUNTAIN + BLUE WATER = NOX

NOX was built upon a preposition to serve as "Blue Water," nourishing a healthy environment the "Green Mountain," the better place

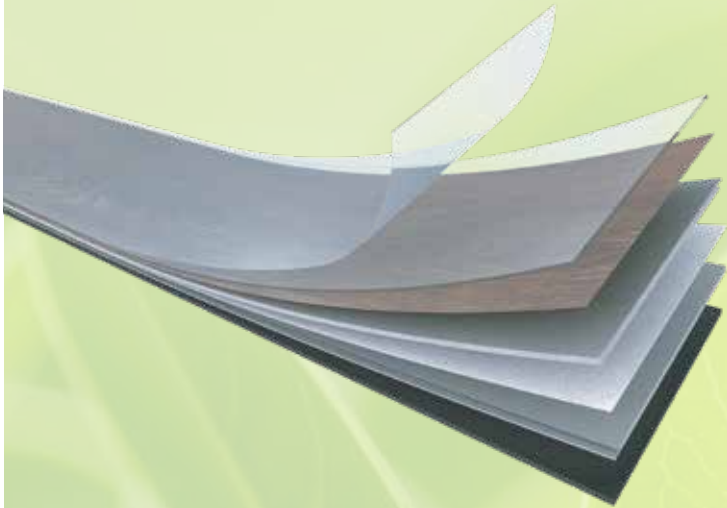
OVER  
90%



#### Renew: Carbon-reducing raw materials

- The world's first flooring with more than 90% of its raw materials converted into carbon-reducing materials
- The most sustainable flooring leading the innovation of eco-friendly materials with Bio-Circular Balanced PVC from discarded cooking oil and phthalate-free plasticizers from used PET bottles
- Utilize environment-friendly calcium zinc stabilizer and DOTP for the first time in the industry and Use reliable raw materials with third-party, HPD(Health Product Declaration), verified only

Rooted in a chemical engineering company, NOX has built its core expertise in producing and processing various resin compounds for application to consumer and industrial goods for over 60 years. NOX's unique EMT Core (multi-layer structure method) and EPT™ Shield (premium surface coating) technologies have served as the foundation for ECOCLICK, the most stable, durable, and sustainable flooring innovation.



### 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 EMTM core structure for long-term dimensional stability



#### • EPT™ Shield with unparalleled scratch resistance

0.55mm thick, high-functioning design protection coating layer prevents discoloration, contamination, scratches, and dents that could be widely used, including in commercial areas with high foot traffic.

#### • EMT™ Core, a multilayer structure technique with industry-leading stability

NOX adopted the world's first and only Integrated Vertical Production system, integrating the multiple layers that comprise each and every LVT product line, ensuring superior noise absorption and long-term dimensional stability.

## Application Areas

Corporate | Offices | Residential | Education | Hospitality  
Healthcare | Recreation | Retail | Public Places





**ECOCLICK+**  
EASIEST & STRONGEST GLUELESS LVT

———— DIMENSIONS: 235 x 1505mm | Thickness - 5mm | Wear Layer - 0.50-0.55mm ————



**MEG - 85120**

EUROPEAN OAK GOLDEN



**MEG - 85121**

EUROPEAN OAK BROWN



**MEG - 86311**

GRAND OAK BLACK

DIMENSIONS: 185 x 1212 mm | Thickness - 5 mm | Wear Layer - 0.50-0.55mm



MEP - 45404

CENTURY OAK (EIR)



MEP - 31219

HICKORY GOLDEN (EIR)



MEP - 31217

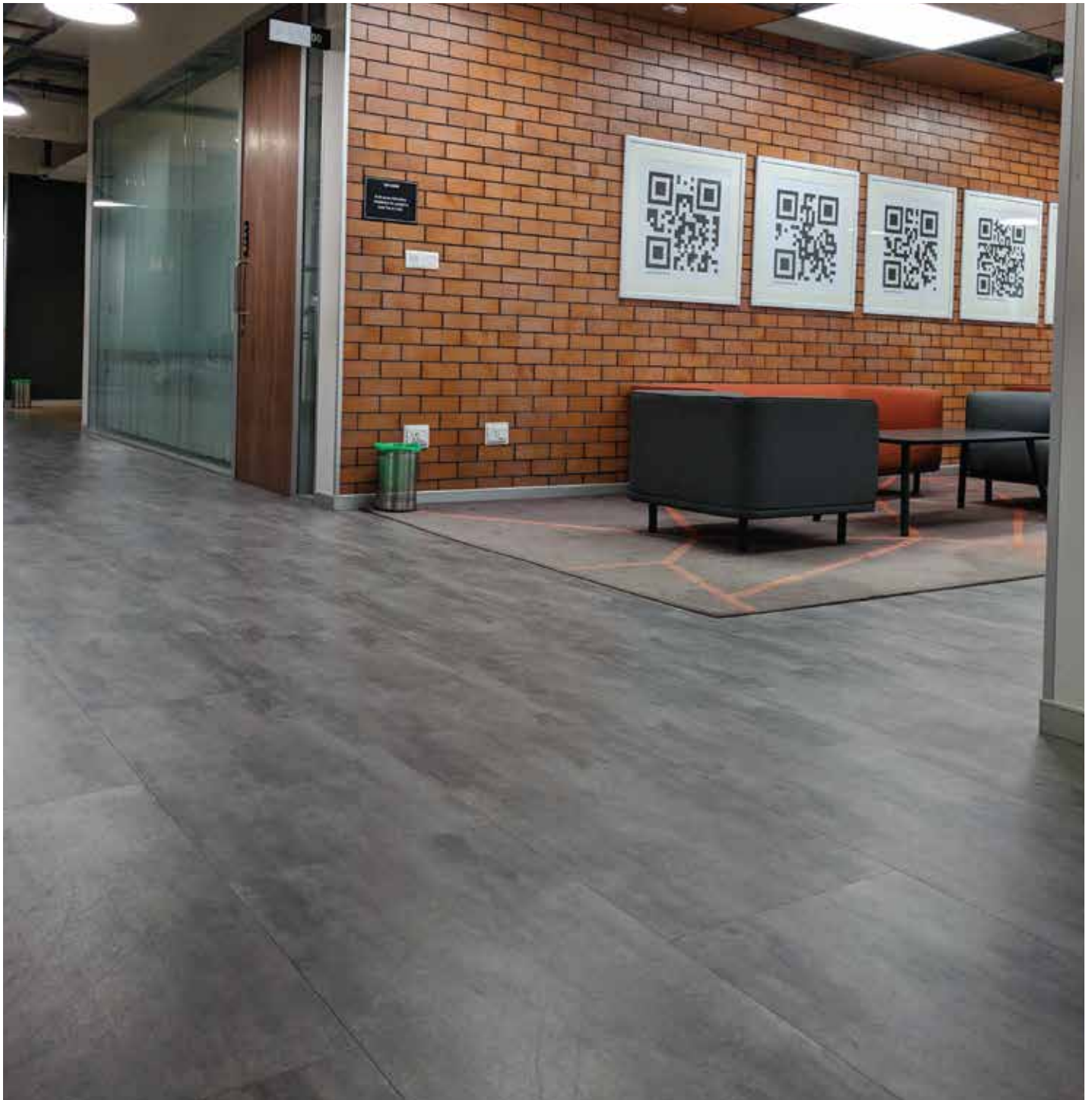
HICKORY GREY (EIR)



MEP - 40428

ANTIQUE OAK GREY (EIR)

EIR = EMBOSSED-IN-REGISTER



————— THICKNESS - 5.0mm | WEAR LAYER - 0.50-0.55mm —————



**MET - 26067**  
SIZE - 305 x 610mm

STONE GREY



**MEI - 42502**  
SIZE - 462 x 925

CONCRETE DARK GREY



**NPL-05511NC**  
SIZE - 180X1201mm

ELEGANT OAK BLONDE



**ELW-40412NC**  
SIZE - 180X1201mm

NATURAL WOOD



**NPL-06902NC**  
SIZE - 180X1201mm

HERITAGE OAK BROWN



**ELT- 49601NC**  
SIZE - 600X600mm

TERRAZZO - PINK+GREY

# Specifications

## Size & Packing

| Thickness         | Wear layer | Size (mm)   | Pcs/box | Sqm/box |
|-------------------|------------|-------------|---------|---------|
| 5mm<br>(ECOCLICK) | 0.5mm      | 185 X 1,212 | 8       | 1.79    |
|                   |            | 235 X 1,505 | 6       | 2.12    |
|                   |            | 305 X 610   | 10      | 1.86    |
|                   |            | 462 X 925   | 6       | 2.56    |
| 5mm<br>(ECOLAY)   | 0.5mm      | 180 X 1,200 | 10      | 2.16    |
|                   |            | 600 X 600   | 6       | 2.16    |

## Test Result

| Product Specification   | Standard                                    | ECOCLICK+ / ECOLAY+                |
|---|---|------------------------------------|
| Surface treatment<br>(NOX EPT™ Shield)                          | ISO 22196<br>ASTM G21-15                    | Anti-Bacterial<br>Anti-Fungi       |
| Level of Use  | ISO 10874                                   | 0.50 - 0.55 mm : 23,33,42          |
| Total thickness   | ISO 24346                                   | +0.13mm / -0.10mm                  |
| Wearlayer Thickness   | ISO 24340                                   | +13% / - 10%                       |
| Weight (g/m <sup>2</sup> )                                      | ISO 23997                                   | +13% / - 10%                       |
| Dimensional stability &<br>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<br>>400mm: ≤0.35mm |
|   | ASTM F2055                                  | ≤0.01in                            |
| Residual indentation  | ISO 24343-1                                 | ≤0.1mm                             |
| Height difference between with a<br>locking system on the edges | ISO 10582                                   | ≤0.1mm                             |
| Static Load Limit   | ASTM F970                                   | ≤0.005 in @ 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 (m <sup>2</sup> K)/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<br>FLOOR SCORE CERTIFIED | Very low VOC                       |



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ECONOMY ♦ EXCELLENCE ♦ ETHICS