# LVT LOOSE LAY | 4.5 MM TOTAL THICKNESS | 0.30 MM WEAR LAYER | 228.6 × 1219.2 MM

**SELECT • SKU EF-LL-SEL45-030-2286X12192 • RESIDENTIAL • CLASS 23**

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| PRODUCT CONFIGURATION | | PACKING & LOADING • ESTIMATED | |
|---|---|---|---|
| **Product type** | LVT Loose Lay Plank Flooring | **Carton packing** | 9 pcs/carton |
| **Application** | Residential | **Carton dimensions** | 236.6 × 1229.2 × 42.5 mm (9.31 × 48.39 × 1.67 in) |
| **Product format** | Straight plank | **Carton coverage** | 2.508 m²/carton (27.00 sq ft/carton) |
| **Dimensions** | 228.6 × 1219.2 mm (9.00 × 48.00 in) | **Estimated carton net weight** | 21.45 kg/carton (47.28 lb/carton) |
| **Total thickness** | 4.5 mm | **Estimated carton gross weight** | 21.95 kg/carton (48.38 lb/carton) |
| **Backing / underlay** | Anti-skid backing; no attached pad | **Pallet packing** | 52 cartons/pallet |
| **Wear layer** | 0.30 mm (≈12 mil) | **Pallet layout** | 4 cartons/layer × 13 layers |
| **Construction** | UV coating + wear layer + décor film + LVT reinforced layer with fiberglass + anti-skid backing; dual fiberglass reinforcement available | **Pallet coverage** | 130.435 m²/pallet (1404.00 sq ft/pallet) |
| **Surface texture options** | Natural wood-grain texture, EIR (embossed-in-register) or crystal embossing | **Loaded pallet dimensions** | 970 × 1240 × 687.5 mm (38.19 × 48.82 × 27.07 in) |
| **Surface treatment** | UV-cured matte finish (gloss level: 4–6 GU) | **Estimated pallet net weight** | 1115.23 kg/pallet (2458.65 lb/pallet) |
| **Installation method** | Loose-lay installation | **Estimated pallet gross weight** | 1155.23 kg/pallet (2546.84 lb/pallet) |
| **Bevel** | 4-sided micro bevel | **20 ft GP loading** | 21 pallets/20 ft GP (up to 3-high stacking) |
| **Indicative use class** | Class 23 | **20 ft GP coverage** | 2739.153 m²/20 ft GP (29484.00 sq ft/20 ft GP) |
| **Residential service life** | 25+ years | **20 ft GP cargo gross weight** | 24,259.76 kg/20 ft GP (53,483.62 lb/20 ft GP) |

## LVT LOOSE LAY FLOORING — TECHNICAL PERFORMANCE

| CHARACTERISTIC | TEST STANDARD | REFERENCE VALUE |
|---|---|---|
| Overall thickness | ISO 24346:2006 | 4.5 mm |
| Density | ISO 23996:2007 | 1.80–1.90 g/cm³ |
| Wear layer thickness | ISO 24340:2006 | 0.30 mm (≈12 mil) |
| Indicative use class | ISO 10874:2009 | Class 23 |
| Micro-scratch resistance | EN 16094 | MSR-B2 |
| Dimensional tolerance | ISO 24342:2007 | Length / width: max. ±0.50 mm |
| Squareness | ISO 24342:2007 | Max. ≤ 0.20 mm |
| Straightness | ISO 24342:2007 | Max. ≤ 0.20 mm |
| Dimensional stability | ISO 23999:2021 | ≤ 0.12% |
| Curling | ISO 23999:2021 | ≤ 1.0 mm |
| Residual indentation | ISO 24343-1:2007 | ≤ 0.10 mm |
| Light stability | ISO 105-B02, Method 3 | > Grade 6 |
| Reaction to fire | EN 13501-1 | Bfl-s1 |
| Dry slip resistance | EN 13893 | Class DS |
| Ramp slip resistance | DIN 51130 | R10 |
| Wear resistance | EN 660-2 | Group P |
| Peel resistance | ISO 24345:2006 | > 75 N/50 mm |
| Resistance to stains / chemicals | ISO 26987:2008 | No change in surface dulling, surface attack or staining detected |
| Flexibility | ISO 24344:2008, Method A | No cracking in either direction with a 50 mm mandrel |
| Castor chair | ISO 4918:2016 | After 25,000 cycles: no visible damage |
| Soluble heavy metals | ASTM F963-11 | Not detected |
| Formaldehyde emission | EN 717-1:2004 | Not detected |
| Utilization / recyclability | — | Recyclable |