LAMINATE FLOORING — COLLECTION 6

Palony Oak laminate panel

Palony Oak laminate panel — Ultra collection laminate flooring, class AC4, click installation.

AC4 8 MM LAMINATE WITH PAINTED BEVELS | STRATIFIÉ | REACTION TO FIRE CFL-S1



IDENTIFICATION

Dartank reference	**D12SO51P**
Dartank EAN	**3701839357347**
Material	**AC4 8 mm laminate with painted bevels**
Colors	**Marron**
Sales unit	**Square metre (m²)**

OVERVIEW

Overview

8 mm laminate board, AC4 class, painted bevels on 4 sides and 24 h water resistance.

KEY BENEFITS

01
AC4 abrasion
AC4 class to EN 13329: suited to busy living areas.

02
24 h water resistance
Spills can stay on the surface for up to 24 h without damaging the floor.

03
Glueless click
Click joining for floating installation: fast, clean and removable.

04
Antistatic
Electrostatic charge ≤ 2.0 kV (EN 1815): fewer shocks on contact.

05
Underfloor heating
Compatible with low-temperature underfloor heating, water or electric, embedded in the screed.

06
25-year warranty
25-year manufacturer warranty for residential use, 10 years for commercial use.

PRODUCT CHARACTERISTICS

Material	**Stratifié**

THE MATERIAL

AC4 8 mm laminate with painted bevels

8 mm laminate board, AC4 class, painted bevels on 4 sides and 24 h water resistance.

Floor covering type	**Laminate (HDF)**
Thickness	**8 mm**
Bevel	**4 sides, painted**
Joining system	**Click**

PERFORMANCE AND TEST RESULTS

Property	Standard	Result
Use class	EN 13329	**21-22-23 / 31-32**
Reaction to fire	EN 13501-1	**Cfl-s1**
Water resistance		**24 h (liquid on the surface)**
Abrasion class	EN 13329	**AC4**
Abrasion resistance	EN 13329	**≥ 4000 cycles**
Impact resistance	EN 13329 ; EN 17368	**Small ball ≥ 35 mm; large ball ≥ 750 mm**
Scratch resistance	EN 438-2	**Load ≥ 3 N**
Castor chair	ISO 4918	**Type W, 25,000 cycles: no change**
Furniture leg	EN 424	**No visible damage (type 0 foot)**
Locking strength	ISO 24334	**Long side ≥ 1 kN/m; short side ≥ 2 kN/m**
Electrostatic charge	EN 1815	**≤ 2 kV** (requirement ≤ 2,0 kV)
Swelling after 24 h	ISO 24336	**≤ 18 %** (immersion 24 h à 20 °C · requirement ≤ 18 %)
Thermal resistance	EN 12996	**0.055 m²·K/W**
Stain resistance	EN 438	**Class 5 (groups 1 and 2); class 4 (group 3)**
Light fastness	EN ISO 4892-2	**Class 4 (grey scale)**
Formaldehyde emission	EN 717-1	**E1 (< 0.01 ppm)**
Slip resistance	EN 13893	**DS (μ ≥ 0.30)**

TECHNICAL DOCUMENTS

CE

CE marking
EN 14041:2004/AC:2006 ; EN 13329
On request

GARANTIE

Manufacturer warranty terms — laminate floors
2025
On request

WARRANTY

Warranty

25 years
Residential use

10 years
Commercial use

Spills wiped within 24 h: 5 years
Water resistance

Installation according to the instructions with approved accessories warranty for the first purchaser only, on invoice.
Conditions

Appearance defects visible before installation, abnormal wear, scratches and impacts, water damage (leaks, flooding), subfloor moisture.
Exclusions

UNDERFLOOR HEATING

Underfloor heating

Approved systems	Low-temperature hot-water or electric heating embedded in the screed; floating installation only.
Thermal resistance	Total floor thermal resistance (covering + underlay) ≤ 0.15 m²·K/W.
Temperatures	27 °C maximum at the surface; 50 °C maximum flow temperature; changes of no more than 5 °C per day.
Commissioning	Screed at least 21 days old; heat up gradually for at least 2 weeks before installation, then switch off until the floor is below 18 °C to install.
After installation	Raise the temperature by 5 °C per day; keep at least 50% relative humidity in the heating season; avoid thick rugs that trap heat.
Floor area	Continuous length and width ≤ 12 m on heated floors.
Floor cooling	Allowed with dew-point control: flow water never below 18–22 °C depending on climate; recommended thermal resistance ≤ 0.09 m²·K/W.

INSTALLATION

SUBFLOOR	SCREED MOISTURE	ACCLIMATISATION	UNDERLAY
Dry, clean, flat and stable; flatness ≤ 2 mm under a 1 m straightedge.	≤ 1.5% (cement screed) or ≤ 0.3% (anhydrite screed), through the full thickness.	48 h in the room of installation, packs unopened, at 18–22 °C and 40–65% relative humidity.	Underlay compliant with EN 16354; on mineral screeds, PE film ≥ 0.2 mm with 20 cm taped overlaps.

EXPANSION GAPS	FLOATING FLOOR
8 to 10 mm along walls, around pipes, thresholds and fixed elements; break joints under doors and beyond 10 m.	The floor must never be fixed to the subfloor: no kitchen island or heavy furniture screwed onto it.

Installation

1. **1** Check each board in daylight before installing: a board with a visible defect must not be laid (installation means acceptance).
2. **2** Roll out the PE film, then the underlay, edge to edge, without overlapping the underlay.
3. **3** Lay the first row with 8 to 10 mm spacers against the walls.
4. **4** Click the boards together, short side then long side, staggering the end joints from row to row.
5. **5** Leave an 8 to 10 mm gap around pipes, posts and door frames; create a break joint at doorways.
6. **6** Remove the spacers, then fix skirting and profiles to the wall or subfloor, never to the flooring.
7. **7** Wet rooms (water-resistant ranges): fill expansion gaps with compressible PE backer rod and elastic silicone; seal skirting, profiles and pipe roses.

Storage

- **Room conditions** Optimal conditions: 18–22 °C and 40–65% relative humidity, before, during and after installation.
- **Acclimatisation** Leave the packs unopened for 48 h in the room of installation.

MAINTENANCE

Care and maintenance

Dry cleaning	Soft brush, vacuum cleaner or microfibre mop for daily cleaning.
Damp cleaning	Well-wrung mop and lukewarm water; if needed, a laminate cleaner without wax or soap.
Avoid	Steam cleaners, undiluted product poured on the floor, organic detergents, waxes, varnishes, polishes and steel wool.
Protection	Doormat at the entrance, felt pads under furniture, protective mat under castor chairs.
Stains	Coffee, wine, grease: wrung cloth and a little synthetic detergent. Ink, varnish, tar: methylated spirit or acetone (not in bevels). Wax, chewing gum: let harden, then scrape with a plastic scraper.
Static electricity	Keeping relative humidity at around 50% or more reduces static build-up.

QUANTITIES

COVERAGE PER M² — 8% cutting waste

AREA	BILLED
5 m²	5.4 m²
10 m²	10.8 m²
20 m²	21.6 m²
50 m²	54 m²

COLOURS AND OPTIONS

Colors

- Marron

> **IMPORTANT**
>
> Except for water-resistant ranges, laminate must not be laid in wet or very humid rooms (bathrooms, saunas). No range is suitable for walk-in showers, saunas, pools or rooms with a floor drain.

Non-contractual document. Values are given for guidance; official documents are available on request.