LAMINATE FLOORING — COLLECTION 4

Sand Oak laminate panel

Sand Oak laminate panel — laminate flooring Legend collection, class AC4, click installation.

AC4 8 MM CLASS 32 LAMINATE | STRATIFIÉ | REACTION TO FIRE CFL-S1



IDENTIFICATION

Dartank reference	**D12SO53P**
Dartank EAN	**3701839357323**
Material	**AC4 8 mm class 32 laminate**
Sales unit	**Square metre (m²)**

OVERVIEW

Overview

8 mm laminate board, AC4 class, use 23 / 32, 24 h water resistance and good impact sound insulation.

KEY BENEFITS

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

02
Home and commercial
Use classes 23 / 32: heavy domestic use and moderate commercial traffic.

03
24 h water resistance
Spills can stay on the surface for up to 24 h without damaging the floor.

04
Acoustic comfort
14 dB impact sound reduction with suitable underlay (ISO 717-2).

05
Fire rating Cfl-s1
Cfl-s1 classification to EN 13501-1.

06
Underfloor heating
Compatible with low-temperature underfloor heating, water or electric, embedded in the screed.

PRODUCT CHARACTERISTICS

Material	**Stratifié**

THE MATERIAL

AC4 8 mm class 32 laminate

8 mm laminate board, AC4 class, use 23 / 32, 24 h water resistance and good impact sound insulation.

Floor covering type	**Laminate (HDF)**
Thickness	**8 mm**

PERFORMANCE AND TEST RESULTS

Property	Standard	Result
Use class	EN 13329	**23 / 32**
Reaction to fire	EN 13501-1	**CfI-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	**Level 4**
Castor chair	EN 425	**Type W castors: no damage**
Furniture leg	EN ISO 16581	**No visible damage (type 0 foot)**
Locking strength	ISO 24334	**Long side ≥ 1 kN/m; short side ≥ 2 kN/m**
Swelling after 24 h	ISO 24336	**15 %**
Dimensional stability	EN 13329	**0.9 mm**
Thermal resistance	EN 12664	**0.048 m²·K/W**
Impact sound reduction	ISO 717-2	**14 dB** (avec sous-couche adaptée)
Stain resistance	EN 438-2	**Level 5 (categories 1 and 2); level 4/5 (category 3)**
Light fastness	EN ISO 4892-2	**Class 4 (grey scale)**
Formaldehyde emission	EN 16516	**< 0.05 ppm**
Slip resistance	EN 13893	**DS (μ ≥ 0.35)**

TECHNICAL DOCUMENTS

GARANTIE

Manufacturer warranty terms — laminate floors

2025

On request

WARRANTY

Warranty

15 years
Residential use

5 years
Commercial use

Spills wiped within 24 h: 15 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

VARIANTS — 12

VARIANT	REF.
Panneau stratifié Chêne Arctique	D12SO41P
Panneau stratifié Chêne Atelier	D12SO47P
Panneau stratifié Chêne Aurelia	D12SO66P
Panneau stratifié Chêne Authentique	D12SO36P
Panneau stratifié Chêne Beige	D12SO52P
Panneau stratifié Chêne Belweder	D12CL286P
Panneau stratifié Chêne Biscuit	D12SO67P
Panneau stratifié Chêne blanc	D12SO58P
Panneau stratifié Chêne Cottage	D12SO59P
Panneau stratifié Chêne Deluxe	D12SO43P
Panneau stratifié Chêne Finezyjny	D12SO54P
Panneau stratifié Chêne Flamboyant	D12SO38P

> **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.