VINYL FLOORING — COLLECTION 4

Oak Universe vinyl panel

Oak Universe vinyl panel — laminate flooring Forte collection, click installation.

6.5 MM RIGID SPC VINYL | VINYLE | REACTION TO FIRE BFL-S1



IDENTIFICATION

Dartank reference	**D12AC87P**
Dartank EAN	**3701839358030**
Material	**6.5 mm rigid SPC vinyl**
Sales unit	**Square metre (m²)**

OVERVIEW

Overview

5.5 mm rigid vinyl board with integrated 1 mm IXPE underlay, use 23 / 33, 100% water resistant.

KEY BENEFITS

01
100% water resistant
Rigid mineral core unaffected by water: ideal for kitchens, hallways and bathrooms.

02
Stable and rigid
Dimensionally stable rigid core: swelling ≤ 0.15% after 24 h immersion.

03
Use class 33
Class 33: withstands heavy commercial use.

04
Fire rating Bfl-s1
Bfl-s1 classification to EN 13501-1.

05
Lasting colours
Light fastness class ≥ 6 and stain resistance class 5.

06
Integrated underlay
1 mm factory-fitted underlay: no extra underlay needed.

PRODUCT CHARACTERISTICS

Material	**Vinyle**

THE MATERIAL

6.5 mm rigid SPC vinyl

5.5 mm rigid vinyl board with integrated 1 mm IXPE underlay, use 23 / 33, 100% water resistant.

Floor covering type	**Rigid SPC vinyl**
Use class	**23 / 33**
Thickness	**6.5 mm**
Integrated underlay	**1 mm**

PERFORMANCE AND TEST RESULTS

Property	Standard	Result
Reaction to fire	EN 13501-1	**Bfl-s1**
Water resistance		**100% water resistant**
Abrasion class	EN 13329	**T**
Impact resistance	EN 13329 ; EN 17368	**Small ball ≥ 1600 mm; large ball ≥ 1600 mm**
Scratch resistance	EN 438-2	**≤ MSR-A2**
Castor chair	ISO 4918	**Type W, 25,000 cycles**
Furniture leg	EN 424	**No visible damage**
Electrostatic charge	EN 1815	**1.3 kV** (requirement ≤ 2,0 kV)
Swelling after 24 h	ISO 24336	**≤ 0.15 %** (immersion 24 h à 20 °C · requirement ≤ 0,25 %)
Thermal resistance	EN 12996	**0.062 m²·K/W**
Stain resistance	EN 438	**Class 5 (groups 1 and 2); class 4 (group 3)**
Light fastness	EN ISO 4892-2	**Class ≥ 6 (grey scale)**
Formaldehyde emission	EN 717-1	**E1 (0.050 mg HCHO/m³)**
Slip resistance	EN 13893	**DS**

TECHNICAL DOCUMENTS

CE

CE marking

EN 14041:2004/AC:2006

On request

GARANTIE

Manufacturer warranty terms — vinyl floors

2024

On request

UNDERFLOOR HEATING

Underfloor heating

Approved systems	Heating embedded at least 12 mm below the subfloor surface, floating installation. Non-embedded electric films or mats not recommended.
Temperature	Floor surface temperature ≤ 27 °C; floor sensor recommended.
Installation	Switch off heating 24 h before, during and 24 h after installation; new screed: carry out the heating-up protocol first.
Restarting	Increase gradually, in 5-degree steps, to normal operation.

INSTALLATION

ROOMS
Indoor rooms with controlled temperature, kept between 20 and 25 °C before and during installation; afterwards between 10 and 50 °C.

ACCLIMATISATION
Usually not needed; if the boxes were exposed below 10 °C or above 40 °C in the previous 12 h, leave them closed for 12 h at room temperature.

FLATNESS
Deviations ≤ 5 mm under a 3 m straightedge and ≤ 1 mm over 20 cm; level hollows and joints wider than 4 mm.

CONCRETE SUBFLOOR
Concrete at least 60 days old, dry and clean; moisture ≤ 2.5% (CM method), pH ≤ 9; PE vapour barrier ≥ 0.15 mm recommended.

UNDERLAY
Integrated underlay: do not add another (risk to the locking system and the warranty).

EXPANSION GAPS
10 mm perimeter gap along walls and around fixed elements; expansion profiles beyond 400 m² or 20 m in length.

UNSUITABLE SUBFLOORS
Carpet, cushioned soft vinyl, any other floating floor; flood-prone areas, saunas and outdoors.

Installation

1. **1** Check the boards in daylight (colour, gloss, edges); mix 3 to 4 boxes during installation; allow 5 to 10% for cutting waste.
2. **2** Remove skirting and furniture, vacuum thoroughly; undercut door frames so the floor can move freely.
3. **3** Lay the boards in the direction of the main light source; last row at least 50 mm wide.
4. **4** Start on the left, tongue facing you, with spacers against the wall; lock the short side by tapping with a rubber mallet.
5. **5** Stagger end joints by at least 20 cm; no cut piece shorter than 30 cm at the start or end of a row.
6. **6** Never fix kitchen units or heavy items onto the floor: it must remain free to move.
7. **7** Finish with skirting fixed to the wall leaving a slight gap, and T-profiles where the floor meets other floor coverings.

Storage

- **Flat** Store boxes flat, never on edge, protected from impacts.
- **Handling** Heavy product: use a trolley and proper lifting techniques.

MAINTENANCE

Care and maintenance

Daily	**Soft-bristle broom or vacuum cleaner; wipe up spills immediately.**
Damp cleaning	**Damp mop and vinyl floor cleaner. Steam mop tolerated: lowest setting, soft pad, never more than 5 s in one place.**
Avoid	**Abrasives, bleach, wax; latex- or rubber-backed mats (discolouration); dragging heavy objects.**
Protection	**Felt pads under furniture and a doormat outside the entrance.**

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

> **IMPORTANT**
>
> Although water resistant, this floor is not a barrier against subfloor moisture: a vapour barrier is still required on mineral slabs. It is not suitable for saunas, flood-prone areas or outdoors.

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