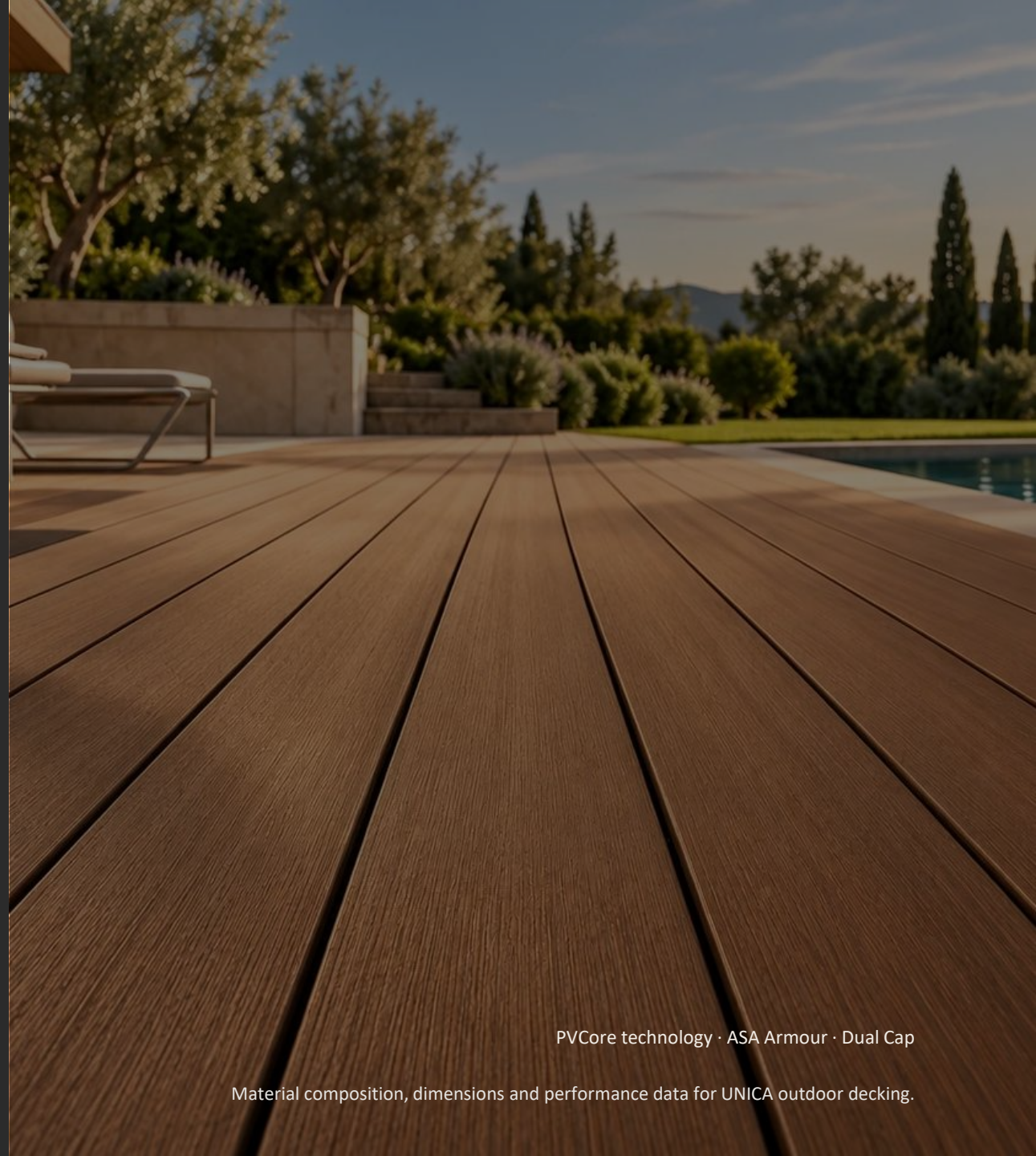
UNICA

TARIMAS Y SISTEMAS DE EXTERIOR

# Nativa
# & Nativa Plus

**TECHNICAL DATA SHEET**

English edition · Revision 03 · 17 November 2026



PVCore technology · ASA Armour · Dual Cap

Material composition, dimensions and performance data for UNICA outdoor decking.

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# Contents

A clearer technical structure, grouped by decision-making topic.


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# Nativa and Nativa Plus

Solid-profile outdoor decking with cellular PVC core, ASA Armour encapsulation and Dual Cap construction.

UNICA Nativa and Nativa Plus are solid-profile outdoor decking collections with a lightweight lightweight cellular PVC core reinforced with mineral fillers and bamboo fibres. The ASA Armour ASA Armour protective layer is a technical acrylic encapsulation. Both collections feature feature multichromatic finishes and Dual Cap construction with two usable faces.

Designed for residential and hospitality outdoor spaces, the boards combine a timber-inspired surface with straightforward cleaning and concealed XCLIP fastening. Nativa Plus is the evolution of Nativa, with improved stability.

| Specification | Nativa | Nativa Plus |
|---|---|---|
| Core technology | PVCore | PVCore Plus |
| Board width | 140 mm | 140 mm |
| Thickness | 24 mm | 25 mm |
| Linear mass | 2.4 kg/m | 2.5 kg/m |
| Surface | ASA Armour / Dual Cap | ASA Armour / Dual Cap |
| Colours | SAHARA · NEBLA · SIENA · LINO | SABANA · TEKA · AMBAR · DUNE |






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# Material composition

Mass proportion of the stated formulation.

FORMULATION — MASS PROPORTION

## Nativa

| | |
|---|---|
| Polyvinyl chloride (PVC) | 51% |
| Calcium carbonate | 20% |
| ASA copolymer | 10% |
| Bamboo fibres and other additives | 19% |



Nativa profile

## Nativa Plus

| | |
|---|---|
| Polyvinyl chloride (PVC) | 51% |
| Calcium carbonate | 30% |
| ASA copolymer | 10% |
| Bamboo fibres and other additives | 9% |



Nativa Plus profile

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# Physical and mechanical properties

**650–750**
DENSITY
kg/m³ · ASTM D2395

**1.12%**
WATER ABSORPTION BY MASS
ASTM D7031-11 §5.19

**82**
SHORE D HARDNESS
Reference value

**46.2 × $10^{-6}$ /°C**
THERMAL EXPANSION COEFFICIENT
ASTM D696-16

| Property | Reference value | Method |
|---|---|---|
| Density | 650–750 kg/m³ | ASTM D2395 |
| Moisture content | 0.35% | ASTM D4442-15 |
| Water absorption by mass | 1.12% | ASTM D7031-11 §5.19 |
| Dimensional water absorption | 0.09% | ASTM D1037-12 |
| Shore D hardness | 82 | Shore D |
| Modulus of elasticity | 1756–2068 MPa | GB/T 17657 |
| Thermal expansion coefficient | 46.2 × $10^{-6}$ /°C | ASTM D696-16 |

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# Compliance snapshot

Slip resistance, accelerated weathering and reaction to fire.

SLIP RESISTANCE

## PTV20 58.5

**Class 3**

Wet pendulum testing to UNE 41901:2017 EX. LABARTEC report 150570. Test date 19 March 2025; report issued 10 April 2025.

ARTIFICIAL WEATHERING

## 1000 h

**ΔE* 2.20 · grey scale 3–4**

ASTM G154-23, Cycle 1, UVA-340. 8 h UV exposure at 60°C followed by 4 h condensation at 50°C. Intertek report 240918005SHF-001.

*Accelerated laboratory exposure does not represent a service-life prediction.*

REACTION TO FIRE

## B-s2,d0

**EN 13501-1:2018**

Intertek report 240521001SHF-001. Test methods EN 13823:2020+A1:2022 and EN ISO 11925-2:2020.

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# Installation system and care

INSTALLATION SYSTEM

## XCLIP concealed fastening

XCLIP concealed fastening system. Follow the UNICA installation instructions for support spacing, board gaps and fastening details.

UNICA SOLID PVC JOIST

## 70 × 42 × 2200 mm

Included in the present product range. Dimensions do not constitute a structural structural span rating.

CARE & CHEMICAL COMPATIBILITY

## Straightforward cleaning, controlled chemistry

Clean regularly with water and a compatible mild detergent. Remove dirt and residues before they accumulate. Check compatibility before applying cleaners, pool chemicals or other substances to the ASA Armour surface.

AVOID

Avoid concentrated mineral acids, aromatic or halogenated hydrocarbons, esters, ethers and ketones. Do not use solvents such as acetone or toluene on the ASA Armour surface.

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# Supporting documentation

Reference reports and revision information reproduced from the source document.

| Document | Reference / date |
|---|---|
| Wet slip resistance — LABARTEC | 150570 / 10 April 2025 |
| Artificial weathering — Intertek | 240918005SHF-001 / 12 November 2024 |
| Reaction to fire — Intertek | 240521001SHF-001 / 6 June 2024 |
| Historical conformity documentation — OTC | TC/10/0915/5482/1965/CN / 15 September 2010 |

DOCUMENT INFORMATION

## Revision 03

17 November 2026

**UNICA — TARIMAS Y SISTEMAS DE EXTERIOR**

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*All technical results and references in this presentation are reproduced from the supplied Revision 03 technical data sheet.*

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# Detailed mechanical testing

| Property | Result | Method and conditions |
|---|---|---|
| Abrasion resistance | 116 mg/c | ASTM D4060; 1000 cycles; 1 kg load; 60 rpm. |
| Shore D hardness | 82 | Penetration hardness |
| Flexural modulus | 1756–2068 MPa | GB/T 17657 |

| Profile configuration | Span mm | Ultimate load kN | MOR MPa | MOE MPa |
|---|---|---|---|---|
| Square edge | 304.8 | 7.7 | 28.1 | 1736.6 |
| Grooved | 304.8 | 7.5 | 28.8 | 1798.9 |

*Method: ASTM D7032. Tested span and load rating: 304.8 mm / 4.7 kN/m².*

## 116 mg/c

ABRASION RESISTANCE

ASTM D4060 · 1000 cycles · 1 kg · 60 rpm

## 82

SHORE D HARDNESS

Penetration hardness

## 1756–2068

FLEXURAL MODULUS

MPa · GB/T 17657

## 304.8 mm / 4.7 kN/m²

TESTED SPAN / LOAD RATING

Method: ASTM D7032

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# Stair tread and creep recovery

Results refer to the tested square-edge profile.

| Measurement | Result | Reference requirement |
|---|---|---|
| Deflection under 1.35 kN concentrated load | 2.6 mm | Test span 304.8 mm |
| Concentrated ultimate load | 5.9 kN | ASTM D7032-17, D2565 and D790 |
| Average recovery | 96% | Greater than 75% |
| Total deflection | 0.8 mm | 3.2 mm |
| Unrecoverable deflection | 0.001 mm | 1.6 mm maximum |

96%

AVERAGE RECOVERY

Reference requirement: greater than 75%

0.8 mm

TOTAL DEFLECTION

Reference requirement: 3.2 mm

0.001 mm

UNRECOVERABLE DEFLECTION

Reference requirement: 1.6 mm maximum

*Stair tread and creep results refer to the tested square-edge profile.*

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# Weathering effects on mechanical performance

Reported change in strength and stiffness after the stated test conditions.

| Condition | Strength change | Stiffness change | Factor |
|---|---|---|---|
| High temperature | 18% | 24% | 0.76 |
| Low temperature | −26% | −14% | 1.00 |
| Moisture | −3% | 4% | 0.96 |
| UV exposure | −6% | 1% | 1.00 |
| Freeze thaw | 1% | 13% | 0.97 |
| Overall end-use factor | — | — | 0.74 |




*Methods: ASTM D7032-17, ASTM D2565 and ASTM D790. Reference support span: 304.8 mm. The factors are reported as supplied, not recalculated from the rounded percentages.*

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# Fastener performance

Results apply to the tested board, fastening and support assembly.

XCLIP is the UNICA concealed fastening system. The following results apply to the tested board, fastening and support assembly.

| Withdrawal configuration | Fastener | Holding capacity |
|---|---|---|
| Square-edge board on timber | Top fixing M5.0 × 63 mm | 0.6 kN with safety factor 3 |

*Reference setup: supports at 304.8 mm, screws 30 mm from board edges, 6 mm board gap. Failure based on complete fastener withdrawal.*

| Configuration | Fastener | Ultimate uplift kN/m² | Reported resistance kN/m² |
|---|---|---|---|
| Square edge / metal | M4.8 × 45 mm | 22.5 | 7.2 |
| Square edge / timber | M5.0 × 63 mm | 22.5 | 7.2 |
| Grooved / timber | XCLIP + M4.2 × 40 mm | 22.1 | 7.2 |
| Grooved / metal | XCLIP + M4.2 × 40 mm | 22.1 | 7.2 |

## 22.1 kN/m²

**XCLIP ULTIMATE UPLIFT**

Grooved board configuration

## 7.2 kN/m²

**REPORTED RESISTANCE**

Grooved / timber and metal

*Uplift test configuration: supports at 304.8 mm and top-fixed perimeter boards. Results relate to the complete tested assembly.*

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# Thermal behaviour and dimensional information

| Property | Value | Basis |
|---|---|---|
| Linear thermal expansion | $46.2 \times 10^{-6}$ /°C | ASTM D696-16; −30°C to +30°C |
| Thermal conductivity | 0.15 W/(m·K) | OTC 2010 reference report |
| Formaldehyde emission | E1 | OTC 2010 reference report |
| Pentachlorophenol | Less than 0.2 ppm | OTC 2010 reference report |
| Maximum body voltage | 0.5 kV | OTC 2010 reference report |
| Vertical resistance | $0.8 \times 10^{6}$ Ω | OTC 2010 reference report |

| Product | Width | Thickness | Linear mass |
|---|---|---|---|
| UNICA Nativa | 140 mm | 24 mm | 3.0 kg/m |
| UNICA Nativa Plus | 140 mm | 25 mm | 2.5 kg/m |
| UNICA solid-profile foamed PVC | 70 mm | 42 mm | Not specified |

*Joist length: 2200 mm. Decking boards have two usable faces and lateral grooves for XCLIP for XCLIP concealed fastening.*

## 0.15 W/(m·K)

THERMAL CONDUCTIVITY

OTC 2010 reference report

## E1

FORMALDEHYDE EMISSION

OTC 2010 reference report

## 140 mm

BOARD WIDTH

Nativa & Nativa Plus

## 70 × 42 mm

SOLID PVC JOIST

Length: 2200 mm

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# Chemical compatibility reference

Guidance for the ASA Armour surface. Exposure time, concentration, temperature and mechanical stress affect material performance.

| Symbol | Meaning |
|---|---|
| + | Resistant over periods of months to years |
| 0 | Limited resistance; swelling, dissolution or stress cracking possible |
| – | Not resistant; severe swelling, decomposition, dissolution or stress cracking |
| soln. | Saturated aqueous solution |

SUMMARY

## Good resistance

Water, aqueous salt solutions, detergent solutions, dilute acids and alkalis.

## Limited resistance

Alcohols, aliphatic hydrocarbons, oils and fats.

## Poor resistance

Concentrated mineral acids, aromatic or halogenated hydrocarbons, esters, esters, ethers and ketones.

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TECHNICAL DATA SHEET

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