

## DECLARATION OF PERFORMANCE DOP NO. 32

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1. Unique identification code of the product-type:

**PINE PLYWOOD EN 636-2 S**

2. Grades:

**B/C Premium and C+/C Premium**

3. Intended uses:

Structural components in dry and humid conditions.  
Structural floor and roof decking on joists.  
Structural wall sheathing on studs.

4. Manufacturer:

Indústria de Compensados SUDATI Ltda.  
Av. Presidente Getúlio Vargas, 1638  
Palmas, PR 85555-000 Brazil  
Tel. +55 46 3263-8400  
e-mail: fabiano@sudati.com.br

5. Technical contact:

Mr. Bartolomeu da Silva Neto  
Technical Director  
Tel: +55 43 99113-6690  
e-mail: bart@sudati.com.br

6. System of assessment and verification of constancy of performance (AVCP):

AVCP System 2+

7. Harmonised standard:

EN 13986:2004+A1:2015

Notified Body:

1034 - HFB Engineering GMBH of Leipzig, Germany.

Certificates:

Palmas mill: 1034-CPR-12982/1/2025 dated 7 October 2025.  
Ibaiti mill: 1034-CPR-12983/1/2025 dated 7 October 2025.  
Ventania mill: 1034-CPR-1645/1/2025 dated 7 October 2025.

8. Panel marking example:

CE 1034 SUDATI - IBAITI 25 DOP NO 32 EN 13986:2004+A1:2015 BOND CLASS 3 E1  
PINE PLYWOOD EN 636-2 S 18 MM STRUCTURAL COMPONENTS ROOF DECKING FLOOR DECKING

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### 9. Declared performance:

| Essential characteristics                                              |     | Declared performance                             |              |              | Technical Specification |              |              |
|------------------------------------------------------------------------|-----|--------------------------------------------------|--------------|--------------|-------------------------|--------------|--------------|
| Bond quality                                                           |     | Class 3 (phenolic)                               |              |              | EN 314-1/2              |              |              |
| Release of formaldehyde                                                |     | E1                                               |              |              | EN 13986 Annex B Note 2 |              |              |
| Mean density $\rho$                                                    |     | > 550 kg/m <sup>3</sup>                          |              |              | EN 323                  |              |              |
| Reaction to fire                                                       |     | D-s2, d0 (Flooring - DFL-s1)                     |              |              | EN 13986 Table 8        |              |              |
| Water vapour permeability $\mu$                                        |     | Wet cup - 70 / Dry cup - 200                     |              |              | EN 13986 Table 9        |              |              |
| Airborne sound insulation                                              |     | Calculate as $R = 13 \times \lg(\text{mA}) + 14$ |              |              | EN 13986 Part 5.10      |              |              |
| Sound absorption coefficient                                           |     | 0,10 / 0,30                                      |              |              | EN 13986 Table 10       |              |              |
| Thermal conductivity $\lambda$                                         |     | 0,13 W/(m.K)                                     |              |              | EN 13986 Table 11       |              |              |
| Biological durability                                                  |     | Use class 2                                      |              |              | EN 335 / EN 1099        |              |              |
| Content of pentachlorophenol                                           |     | < 5 ppm                                          |              |              | EN 13986 Part 5.18      |              |              |
|                                                                        |     | Stated below per Type                            |              |              | EN 12369-2 / EN 789     |              |              |
| Bending strength and stiffness for structural use (N/mm <sup>2</sup> ) |     | 9mm<br>3ply                                      | 12mm<br>5ply | 15mm<br>5ply | 18mm<br>7ply            | 21mm<br>7ply | 24mm<br>9ply |
| Mean                                                                   | //  | 12.980                                           | 9.120        | 9.070        | 10.190                  | 8.522        | 8.164        |
| Modulus of Elasticity                                                  | -/- | 1.170                                            | 2.310        | 2.440        | 3.600                   | 4.569        | 4.203        |
| Characteristic (L5%)                                                   | //  | 6.000                                            | 6.000        | 5.000        | 7.000                   | 5.000        | 5.000        |
| Modulus of Elasticity                                                  | -/- | 500                                              | 2.000        | 2.000        | 3.000                   | 4.000        | 3.000        |
| Characteristic (L5%)                                                   | //  | 30,0                                             | 30,0         | 25,0         | 25,0                    | 25,0         | 20,0         |
| Bending Strength                                                       | -/- | 10,0                                             | 10,0         | 15,0         | 15,0                    | 15,0         | 15,0         |
|                                                                        |     | Stated below per Type                            |              |              | EN 12781, EN 1195       |              |              |
| Strength and stiffness under point load (at the joint)                 |     | 12mm 5ply                                        |              | 15mm 5ply    |                         | 18mm 7ply    |              |
|                                                                        |     | Square                                           |              | T&G          |                         | T&G          |              |
| Stud spacing (mm)                                                      |     | 450                                              | 600          | 450          | 810                     | 600          | 1220         |
| Fmax (N)                                                               |     | 5.024                                            | 2.941        | 4.409        | 2.705                   | 5.836        | 2.630        |
| Fser (N)                                                               |     | 2.940                                            | 2.225        | 3.069        | 1.834                   | 3.116        | 2.488        |
| Rmean (N/mm)                                                           |     | 345                                              | 233          | 423          | 172                     | 435          | 114          |
| Impact load                                                            |     | Class I                                          |              |              |                         |              |              |

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:



Bartolomeu da Silva Neto, Technical Director

Issued in Palmas, PR on 7 October 2025.

## DECLARATION OF PERFORMANCE DOP NO. 32 ANNEX 1

### 1. Section properties

| Product Types                                 | 9mm<br>3ply | 12mm<br>5ply | 15mm<br>5ply | 18mm<br>7ply | 21mm<br>7ply | 24mm<br>9ply |
|-----------------------------------------------|-------------|--------------|--------------|--------------|--------------|--------------|
| Mean thickness (mm)                           | 8,7         | 11,5         | 14,3         | 17,3         | 20,3         | 22,9         |
| Area (A) mm <sup>2</sup> /mm                  | 8,7         | 11,5         | 14,3         | 17,3         | 20,3         | 22,9         |
| Section Modulus (W) mm <sup>3</sup> /mm       | 12,6        | 22,0         | 34,1         | 49,9         | 68,7         | 87,4         |
| Second Moment of Area (I) mm <sup>4</sup> /mm | 55          | 127          | 244          | 431          | 697          | 1.001        |

### 2. Panel capacities

| Product Types                            |           | 9mm<br>3ply | 12mm<br>5ply | 15mm<br>5ply | 18mm<br>7ply | 21mm<br>7ply | 24mm<br>9ply |
|------------------------------------------|-----------|-------------|--------------|--------------|--------------|--------------|--------------|
| Bending Strength (kN.m/m)                | // FW,0   | 0,38        | 0,66         | 0,85         | 1,25         | 1,72         | 1,75         |
|                                          | -/- FW,90 | 0,13        | 0,22         | 0,51         | 0,75         | 1,03         | 1,31         |
| Bending Stiffness (kN.m <sup>2</sup> /m) | // EI,0   | 0,71        | 1,16         | 2,21         | 4,40         | 5,94         | 8,17         |
|                                          | -/- EI,90 | 0,06        | 0,29         | 0,59         | 1,55         | 3,19         | 4,21         |

### 3. Additional declared performance:

| Product Types                 |             | 9mm<br>3ply | 12mm<br>5ply | 15mm<br>5ply | 18mm<br>7ply | 21mm<br>7ply | 24mm<br>9ply |
|-------------------------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|
| Mean Modulus of Elasticity    |             |             |              |              |              |              |              |
| Tension (N/mm2)               | // Et,0     | npd         | 4.720        | npd          | 6.040        | npd          | npd          |
|                               | -/- Et,90   |             | 5.630        |              | 3.980        |              |              |
| Compression (N/mm2)           | // Ec,0     |             | 5.610        |              | 6.190        |              |              |
|                               | -/- Ec,90   |             | 5.570        |              | 4.160        |              |              |
| Mean Modulus of Rigidity      |             |             |              |              |              |              |              |
| Planar Shear (N/mm2)          | // Gr,0     | npd         | 71           | npd          | 98           | npd          | npd          |
|                               | -/- Gr,90   |             | 86           |              | 89           |              |              |
| Panel Shear (N/mm2)           | // Gv,0     |             | 661          |              | 659          |              |              |
|                               | -/- Gv,90   |             | 817          |              | 655          |              |              |
| Characteristic strength (L5%) |             |             |              |              |              |              |              |
| Tension (N/mm2)               | // Ft,k,0   | npd         | 6,6          | npd          | 14,1         | npd          | npd          |
|                               | -/- Ft,k,90 |             | 9,1          |              | 8,4          |              |              |
| Compression (N/mm2)           | // Fc,k,0   |             | 16,0         |              | 20,4         |              |              |
|                               | -/- Fc,k,90 |             | 20,3         |              | 16,6         |              |              |
| Planar Shear (N/mm2)          | // Fr,0     |             | npd          |              | 1,4          |              |              |
|                               | -/- Fr,90   | 2,3         |              | 1,8          |              |              |              |
| Panel Shear (N/mm2)           | // Fv,0     | 4,4         |              | 6,8          |              |              |              |
|                               | -/- Fv,90   | 4,0         |              | 6,4          |              |              |              |