



## Declarations of Performance

DOP MHP 18\_552

According to the regulation (EU) No. 305/2011

- Identification code of the product type:  
**3-layer solid wood panel DIN EN 13353:2022 for use in construction as load-bearing components outdoors, SWP/3 S, L3, 16-60 mm**
- Type, batch or serial number or another identifier for identifying the construction product according to article 11 paragraph 4 BauPVo:  
**The manufacturer can find out the production date from the barcode on the packaging label. The panel thickness, top layer thickness, wood type, quality and format of the panel are also shown on the label.**
- Intended use of the construction product according to the harmonized technical specification:  
**Use according to DIN EN 13353:2022, SWP/3 S: Solid wood panels for load-bearing outdoor use**
- Name, registered trade name or brand and address of the manufacturer according to article 11 paragraph 4 BauPVo:  
**Pfeifer Holz s.r.o.  
Chanovice 102  
CZ – 341 01 Horazdovice  
Tschechische Republik**
- System for assessment and verification of constancy of performance according to Annex V of BauPVo:  
**System 2+**
- If the construction product is regulated by a harmonized standard:  
**The development and testing laboratory Holztechnologie GmbH (NB No.0766) carried out the initial inspection of the factory and the factory production control as well as the ongoing monitoring, assessment and evaluation of the factory production control according to the system 2+ and issued a certificate of conformity. Valid Certificate - Number 0766 - CPR - 552.**

- Declared Performance:

### Technical values of multi-layer solid wood panels DIN EN 13353:2022

| 1,2      | nominal thickness<br>mm         | strength               | Characteristic density (kg/m <sup>3</sup> ) and strength (N/mm <sup>2</sup> ) DIN EN 12369-3:2022  |                   |                        |   |                        |   |                            |    |                                    |     |                      |     |
|----------|---------------------------------|------------------------|--|-------------------|------------------------|---|------------------------|---|----------------------------|----|------------------------------------|-----|----------------------|-----|
|          |                                 |                        | Bending perpendicular to plate plane   |                   | Bending at plate level |   | tensile at plate level |   | compressive at plate level |    | shear perpendicular to plate plane |     | shear at plate level |     |
|          |                                 |                        | $f_{m,flat}$   |                   | $f_{m,edge}$           |   | $f_t$                  |   | $f_c$                      |    | $f_{v,edge}$                       |     | $f_{v,flat}$         |     |
|          | $t_{nom}$                       | $\rho$                 | 0  | 90                | 0                      | 90  | 0                      | 90  | 0                          | 90 | 0                                  | 90  | 0                    | 90  |
|          | 12 bis 20                       | 410                    | 30   | 5                 | 25                     | 12  | 12                     | 3   | 18                         | 12 | 4                                  | 4   | 1,0                  | 1,0 |
|          | >20 bis 30                      | 410                    | 27   | 5                 | 18                     | 12  | 9                      | 3   | 16                         | 10 | 4                                  | 4   | 1,0                  | 1,0 |
|          | >30 bis 80                      | 410                    | 20   | 10                | 12                     | 12  | 6                      | 3   | 10                         | 10 | 2,5                                | 2,5 | 1,0                  | 1,0 |
| 3        | Quality of the bonding          |                        | SWP/3 according to DIN EN 13354:2008; pretreatment 3; $0,8 \leq f_v \leq 1,2$ n/mm <sup>2</sup> (in the case of broken timber $\geq 20$ %) |                   |                        |   |                        |   |                            |    |                                    |     |                      |     |
| 4        | Transverse tensile strength     |                        | NPD  |                   |                        |   |                        |   |                            |    |                                    |     |                      |     |
| 5        | Durability (thickness swelling) |                        | NPD  |                   |                        |   |                        |   |                            |    |                                    |     |                      |     |
| 6        | Formaldehyde release            |                        | E1 (DIN EN 717-1, the test result was multiplied by a factor of 2)   |                   |                        |   |                        |   |                            |    |                                    |     |                      |     |
| 7        | Reaction to fire                | reaction to fire class |  | minimum thickness |                        |   |                        | end use condition                         |                            |    |                                    |     |                      |     |
|          |                                 | D-s2, d0               |  | 12 mm             |                        |   |                        | without an air gap behind the material    |                            |    |                                    |     |                      |     |
|          |                                 |                        |  | 15 mm             |                        |   |                        | with a closed air gap behind the material |                            |    |                                    |     |                      |     |
|          |                                 |                        |  | 18 mm             |                        |   |                        | with an open air gap behind the material  |                            |    |                                    |     |                      |     |
| D-s2, d2 |                                 | 12 mm                  |  |                   |                        | with closed or open air gap of not more than 22 mm behind the timber material |                        |   |                            |    |                                    |     |                      |     |

|    |                              |  |              |                           |         |                           |         |                               |            |  |            |                         |    |
|----|------------------------------|--|--------------|---------------------------|---------|---------------------------|---------|-------------------------------|------------|--|------------|-------------------------|----|
| 8  | Water vapour permeability    | medium density 300kg/m <sup>3</sup> : $\mu$ moist 50, $\mu$ dry 150<br>medium density 500kg/m <sup>3</sup> : $\mu$ moist 70, $\mu$ dry 200 |              |                           |         |                           |         |                               |            |  |            |                         |    |
| 9  | Airborne sound insulation    | $R = 13 \times \lg(\text{mA}) + 14$  |              |                           |         |                           |         |                               |            |  |            |                         |    |
| 10 | Sound absorption             | Frequency range 250 Hz – 500 Hz: 0,10<br>Frequency range 1 000 Hz – 2 000 Hz: 0,30   |              |                           |         |                           |         |                               |            |  |            |                         |    |
| 11 | Thermal conductivity         | medium density 300kg/m <sup>3</sup> : $\lambda$ 0,09 W/mK<br>medium density 500kg/m <sup>3</sup> : $\lambda$ 0,13 W/mK                     |              |                           |         |                           |         |                               |            |  |            |                         |    |
| 12 | nominal thickness<br>mm      | <b>Mittlere Steifigkeitswerte (N/mm<sup>2</sup>) DIN EN 12369-3:2022</b>   |              |                           |         |                           |         |                               |            |  |            |                         |    |
|    |                              | Bending<br>perpendicular to<br>plate plane   |              | Bending<br>at plate level |         | tensile<br>at plate level |         | compressive<br>at plate level |            | shear<br>perpendicular<br>to plate plane |            | shear<br>at plate level |    |
|    | $E_{m,flat}$                 |  | $E_{m,edge}$ |                           | $E_t$   |                           | $E_c$   |                               | $G_{edge}$ |  | $G_{flat}$ |                         |    |
|    | 0    90                      |  | 0    90      |                           | 0    90 |                           | 0    90 |                               | 0    90    |  | 0    90    |                         |    |
|    | $t_{nom}$                    |  |              |                           |         |                           |         |                               |            |  |            |                         |    |
|    | 12 bis 20                    | 10 000   | 650          | 6 000                     | 4 000   | 6 000                     | 4 000   | 6 000                         | 4 000      | 450                                      | 450        | 50                      | 50 |
|    | >20 bis 30                   | 10 000   | 800          | 5 000                     | 4 000   | 5 000                     | 4 000   | 3 500                         | 2 500      | 450                                      | 450        | 50                      | 50 |
|    | >30 bis 80                   | 8 000  | 1 500        | 4 000                     | 4 000   | 4 000                     | 4 000   | 2 500                         | 2 500      | 450                                      | 450        | 50                      | 50 |
| 13 | Mechanical durability        | NPD  |              |                           |         |                           |         |                               |            |  |            |                         |    |
| 14 | Biological durability        | NPD  |              |                           |         |                           |         |                               |            |  |            |                         |    |
| 15 | Content of pentachlorophenol | $\leq 5$ ppm   |              |                           |         |                           |         |                               |            |  |            |                         |    |
| 16 | Shear wall load capacity     | NPD  |              |                           |         |                           |         |                               |            |  |            |                         |    |
| 17 | Bearing strength             | NPD  |              |                           |         |                           |         |                               |            |  |            |                         |    |

8. The performance of the product according to numbers 1 and 2 corresponds to the declared performance according to number 7. The manufacturer is solely responsible for the creation of this declaration of performance according to number 4.

Signed on behalf of the manufacturer:

Chanovice, 01.06.2023:

Radek Pecka / Managing Director



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Signature / Stamp