

| DECLARATION OF PERFORMANCE |   |
|----------------------------|---|
| Reference :                | DOPBelspanv1  |
| Commercial name :          | Belspan   |
| Product type :             | Particleboard   |
| Reference standard :       | Wood Based Panel - EN13986:2004+A1:2015 Annex A Table A.4                     |
| CE Class :                 | P2  |
| Field of application :     | Internal use as a non-structural component in dry conditions                  |
| AVCP Class :               | 4   |
| Certification number:      | Not applicable  |
| Produced at:               | Breestraat 4,B-8710 Wielsbeke<br>Ingelmunstersteenweg 299,B-8780 Oostrozebeke |

| Essential Characteristic              | Unit              | Reference             | Thickness range (mm) |             |             |             |             |             |
|---------------------------------------|-------------------|-----------------------|----------------------|-------------|-------------|-------------|-------------|-------------|
|                                       |                   |                       | >13-20               | >13-20      | >20-25      | >25-32      | >32-40      | >40         |
| Bending strength                      | N/mm <sup>2</sup> | EN 622-5              | 11                   | 11          | 10,5        | 9,5         | 8,5         | 7           |
| Modulus of elasticity in bending      | N/mm <sup>2</sup> | EN 622-5              | 1600                 | 1600        | 1500        | 1350        | 1200        | 1050        |
| Internal bond                         | N/mm <sup>2</sup> | EN 622-5              | 0,35                 | 0,35        | 0,30        | 0,25        | 0,20        | 0,20        |
| Surface Soundness                     | N/mm <sup>2</sup> | EN 622-5              | 0,8                  | 0,8         | 0,8         | 0,8         | 0,8         | 0,8         |
| Formaldehyde class                    | Class             | EN 13986-table B1     | E1                   | E1          | E1          | E1          | E1          | E1          |
| Reaction to fire                      | Class             | EN 13501-1            | D-s2,d0              | D-s2,d0     | D-s2,d0     | D-s2,d0     | D-s2,d0     | D-s2,d0     |
| Water vapour permeability $\mu$       | wet               | EN 13986 - table 9    | 16                   | 16          | 16          | 15          | 15          | 15          |
|                                       | dry               |                       | 50                   | 50          | 50          | 50          | 50          | 50          |
| Airborne sound insulation             | dB                | EN 13986-5.10         | NPD                  | NPD         | NPD         | NPD         | NPD         | NPD         |
| Sound absorption $\alpha$             |                   | EN 13986 - table 10   | 0,10/0,25            | 0,10/0,25   | 0,10/0,25   | 0,10/0,25   | 0,10/0,25   | 0,10/0,25   |
| Thermal conductivity $\lambda$        | W/m.K             | EN 13986 - table 11   | 0,12                 | 0,12        | 0,12        | 0,12        | 0,12        | 0,12        |
| Strength - tension $f_t$              | N/mm <sup>2</sup> | EN 12369-1            | NPD                  | NPD         | NPD         | NPD         | NPD         | NPD         |
| Strength - compression $f_c$          | N/mm <sup>2</sup> | EN 12369-1            | NPD                  | NPD         | NPD         | NPD         | NPD         | NPD         |
| Strength - bending $f_m$              | N/mm <sup>2</sup> | EN 12369-1            | NPD                  | NPD         | NPD         | NPD         | NPD         | NPD         |
| Strength - panel shear $f_y$          | N/mm <sup>2</sup> | EN 12369-1            | NPD                  | NPD         | NPD         | NPD         | NPD         | NPD         |
| Strength - planar shear $f_p$         | N/mm <sup>2</sup> | EN 12369-1            | NPD                  | NPD         | NPD         | NPD         | NPD         | NPD         |
| Stiffness - tension $E_t$             | N/mm <sup>2</sup> | EN 12369-1            | NPD                  | NPD         | NPD         | NPD         | NPD         | NPD         |
| Stiffness - compression $E_c$         | N/mm <sup>2</sup> | EN 12369-1            | NPD                  | NPD         | NPD         | NPD         | NPD         | NPD         |
| Stiffness - bending $E_m$             | N/mm <sup>2</sup> | EN 12369-1            | NPD                  | NPD         | NPD         | NPD         | NPD         | NPD         |
| Stiffness - panel shear $G_y$         | N/mm <sup>2</sup> | EN 12369-1            | NPD                  | NPD         | NPD         | NPD         | NPD         | NPD         |
| Impact resistance                     | Class             | EN 12871              | NPD                  | NPD         | NPD         | NPD         | NPD         | NPD         |
| Punishing shear strength $R_{mean}$   | N/mm <sup>2</sup> | EN 1195               | NPD                  | NPD         | NPD         | NPD         | NPD         | NPD         |
| Punishing shear strength $F_{ser,k}$  | N/mm <sup>2</sup> | EN 1195               | NPD                  | NPD         | NPD         | NPD         | NPD         | NPD         |
| Punishing shear strength $F_{max,k}$  | N/mm <sup>2</sup> | EN 1195               | NPD                  | NPD         | NPD         | NPD         | NPD         | NPD         |
| Linear expansion $\delta_{l_{30,85}}$ | mm/m              | EN 318                | NPD                  | NPD         | NPD         | NPD         | NPD         | NPD         |
| Mechanical durability (kmod; kdef)    |                   | Shall be taken from : | EN 1995-1-1          | EN 1995-1-1 | EN 1995-1-1 | EN 1995-1-1 | EN 1995-1-1 | EN 1995-1-1 |
| Biological durability                 | Service Class     | EN 335                | 1                    | 1           | 1           | 1           | 1           | 1           |
| Content of PCP                        | ppm               | EN 13986-5.18         | <5                   | <5          | <5          | <5          | <5          | <5          |

(\*) <9mm : E:9mm : D-s2,d0

| Informative Characteristic | Unit    | Reference | Thickness range (mm) |        |        |        |        |     |
|----------------------------|---------|-----------|----------------------|--------|--------|--------|--------|-----|
|                            |         |           | >13-20               | >13-20 | >20-25 | >25-32 | >32-40 | >40 |
| Formaldehyde content       | mg/100g | EN 120    | < 8 mg/100g DS       |        |        |        |        |     |

Version date :  
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Lode De Boe,  
President UNILIN bvba, division panels

