

| DECLARATION OF PERFORMANCE |  |
|----------------------------|--|
| Reference :                | DOPFibroMaxLF+v1   |
| Commercial name :          | FibroMax LF+   |
| Product type :             | MDF Fibreboard   |
| Reference standard :       | Wood Based Panel - EN13986:2004+A1:2015 Annex A Table A.9                  |
| CE Class :                 | MDF  |
| Field of application :     | Internal use as non-structural component in dry conditions                 |
| AVCP Class :               | 4  |
| Certification number:      | Not Applicable   |
| Produced at:               | Zone Industrielle, F-08140 Bazeilles<br>Rue de la Forêt 2, B-6690 Vielsalm |

| Essential Characteristic                                | Unit              | Reference             | Thickness range (mm) |           |           |           |           |            |
|---|-------------------|-----------------------|----------------------|-----------|-----------|-----------|-----------|------------|
|   |                   |                       | 6                    | >6 - 9    | > 9 - 12  | >12-19    | >19-30    | >30-45     |
| Bending strength  | N/mm <sup>2</sup> | EN 622-5              | 23                   | 23        | 22        | 20        | 18        | NPD        |
| Modulus of elasticity in bending                        | N/mm <sup>2</sup> | EN 622-5              | 2700                 | 2700      | 2500      | 2200      | 2100      | NPD        |
| Internal bond   | N/mm <sup>2</sup> | EN 622-5              | 0.65                 | 0.65      | 0.60      | 0.55      | 0.55      | NPD        |
| Swelling in thickness, 24h                              | %                 | EN 622-5              | 30                   | 17        | 15        | 12        | 10        | NPD        |
| Moisture resistance OPTION 1 :<br>Internal bond         | N/mm <sup>2</sup> | EN 622-5              | NPD                  | NPD       | NPD       | NPD       | NPD       | NPD        |
| Moisture resistance OPTION 1 :<br>Swelling in thickness | %                 | EN 622-5              | NPD                  | NPD       | NPD       | NPD       | NPD       | NPD        |
| Surface Soundness                                       | N/mm <sup>2</sup> | EN 622-5              | NPD                  | NPD       | NPD       | NPD       | NPD       | NPD        |
| Formaldehyde class                                      | Class             | EN 13986-table B1     | E1                   | E1        | E1        | E1        | E1        | NPD        |
| Reaction to fire  | Class             | EN 13501-1            | E                    | D-s2d0(*) | D-s2d0    | D-s2d0    | D-s2d0    | NPD        |
| Water vapour permeability $\mu$                         | wet<br>dry        | EN 13986 - table 9    | 20<br>30             | 19<br>29  | 18<br>27  | 17<br>26  | 17<br>26  | NPD<br>NPD |
| Airborne sound insulation                               | dB                | EN 13986-5.10         | NPD                  | NPD       | NPD       | NPD       | NPD       | NPD        |
| Sound absorption $\alpha$                               |                   | EN 13986 - table 10   | 0,10/0,20            | 0,10/0,20 | 0,10/0,20 | 0,10/0,20 | 0,10/0,20 | NPD        |
| Thermal conductivity $\lambda$                          | W/m.K             | EN 13986 - table 11   | 0.14                 | 0.14      | 0.13      | 0.13      | 0.12      | NPD        |
| Strength - tension ft                                   | N/mm <sup>2</sup> | EN 12369-1            | NPD                  | NPD       | NPD       | NPD       | NPD       | NPD        |
| Strength - compression fc                               | 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 $f_v$                            | N/mm <sup>2</sup> | EN 12369-1            | NPD                  | NPD       | NPD       | NPD       | NPD       | NPD        |
| Strength - planar shear $f_r$                           | 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 $G_v$                           | 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 $\delta_{30,85}$                       | mm/m              | EN 318                | NPD                  | NPD       | NPD       | NPD       | NPD       | NPD        |
| Mechanical durability<br>(kmod; kdef)                   |                   | Shall be taken from : | NPD                  | NPD       | NPD       | NPD       | NPD       | NPD        |
| Biological durability                                   | Service<br>Class  | EN 335                | 1                    | 1         | 1         | 1         | 1         | NPD        |
| Content of PCP  | ppm               | EN 13986-5.18         | <5                   | <5        | <5        | <5        | <5        | NPD        |

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

| Informative Characteristic | Unit  | Reference   | Thickness range (mm)                       |        |          |        |        |        |
|----------------------------|-------|-------------|--|--------|----------|--------|--------|--------|
|                            |       |             | 6  | >6 - 9 | > 9 - 12 | >12-19 | >19-30 | >30-45 |
| Formaldehyde class         | Class | ASTM E1333  | CARB 2 < 0.11 ppm [8 -> 28mm]              |        |          |        |        |        |
| Formaldehyde class         | Class | ASTM E1333  | TSCA Title VI (EPA) < 0.11 ppm [8 -> 28mm] |        |          |        |        |        |
| Formaldehyde Emission      | ppm   | ChemVerbots | <= 0.1 ppm [ISO 16516 LF1.8/EN 717-1*2]    |        |          |        |        |        |

Version date :  
01/09/2019

Lode De Boe,  
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