

| DECLARATION OF PERFORMANCE |                                                              |
|----------------------------|--------------------------------------------------------------|
| Reference :                | DOPHydrolisv2                                                |
| Commercial name :          | Hydrolis                                                     |
| Product type :             | Particleboard                                                |
| Reference standard :       | Wood Based Panel - EN 13986+A1:2015 Annex A Table A.4        |
| CE Class :                 | P3                                                           |
| Field of application :     | Internal use as non-structural component in humid conditions |
| AVCP Class :               | 4                                                            |
| Certification number:      | Not Applicable                                               |
| Produced at:               | Breestraat 4,B-8710 Wielsbeke                                |
|                            | Ingelmunstersteenweg 299,B-8780 Oostrozebeke                 |

| Essential Characteristic                             | Unit              | Reference             | Thickness range (mm) |           |           |           |           |           |
|------------------------------------------------------|-------------------|-----------------------|----------------------|-----------|-----------|-----------|-----------|-----------|
|                                                      |                   |                       | >6-13                | >13-20    | >20-25    | >25-32    | >32-40    | >40       |
| Bending strength                                     | N/mm <sup>2</sup> | EN 622-5              | 15                   | 14        | 12        | 11        | 9         | 7,5       |
| Modulus of elasticity in bending                     | N/mm <sup>2</sup> | EN 622-5              | 2050                 | 1950      | 1850      | 1700      | 1550      | 1350      |
| Internal bond                                        | N/mm <sup>2</sup> | EN 622-5              | 0,45                 | 0,45      | 0,40      | 0,35      | 0,30      | 0,25      |
| Swelling in thickness, 24h                           | %                 | EN 622-5              | 17                   | 14        | 13        | 13        | 12        | 12        |
| Moisture resistance OPTION 1 : Internal bond         | N/mm <sup>2</sup> | EN 622-5              | 0,15                 | 0,13      | 0,12      | 0,1       | 0,09      | 0,08      |
| Moisture resistance OPTION 1 : Swelling in thickness | %                 | EN 622-5              | 14                   | 13        | 12        | 12        | 11        | 11        |
| 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        | E1        |
| Reaction to fire                                     | Class             | EN 13986-5.8          | E                    | D-s2d0(*) | D-s2d0    | D-s2d0    | D-s2d0    | D-s2d0    |
| Water vapour permeability $\mu$                      | wet dry           | EN 13986 - table 9    | 16                   | 16        | 15        | 15        | 15        | 15        |
| 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   | 0,14                 | 0,14      | 0,14      | 0,13      | 0,13      | 0,13      |
| 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 $f_r$                        | 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                | < 3                  | < 3       | < 3       | < 3       | < 3       | < 3       |
| Mechanical durability (kmod; kdef)                   |                   | Shall be taken from : | NPD                  | NPD       | NPD       | NPD       | NPD       | NPD       |
| Biological durability                                | Service Class     | EN 335                | 1 & 2                | 1 & 2     | 1 & 2     | 1 & 2     | 1 & 2     | 1 & 2     |
| 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) |        |        |        |        |     |
|----------------------------|---------|-----------|----------------------|--------|--------|--------|--------|-----|
|                            |         |           | >6-13                | >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

