

## DECLARATION OF PERFORMANCE

No.: **MLT\_ OSB/4 \_CPR\_001**

in accordance with Regulation (EU) № 305/2011 of the European Parliament and of the Council of 9 March 2011 laying down harmonized conditions for the marketing of construction products and repealing Council Directive 89/106/EEC

1. Unique identification code of the product-type:

**MLT/Ultralam OSB/4, 6-25 mm**

Identification code is printed on the each board and consist of production plant, product type, production date and time; and/or is printed on the label attached to the production boards packing.

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

**The day of production is written on the packing sheet**

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

**For heavy-duty load-bearing applications for use in humid conditions**

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

**Modern Lumber Technology Ltd.  
62-B, Semenovskoe, 172011 Torzhok  
RUSSIAN FEDERATION  
[www.ultralam.com](http://www.ultralam.com)**

5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):

**Not applicable**

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

**System 2+**

7. In case of the declaration of performance concerning a construction product covered by a harmonized standard:

The notified factory production control certification body - **Materials Testing Institute University of Stuttgart**- performed initial inspection of the manufacturing plant and factory production control and performs continuous surveillance, assessment and evaluation of factory production control under the system 2+ as described in harmonized standart **EN 13986:2004+A1:2015**

**Notified body issued the certificate of conformity of the factory production control  
No. 0672-CPR-0673**

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

**Not applicable**

9. Declared performance

**Table 1 the requirement values accordance to EN 300**

| Essential characteristics                                                    |            | Performance            |                                     |        |        | Harmonised technical specification |
|------------------------------------------------------------------------------|------------|------------------------|-------------------------------------|--------|--------|------------------------------------|
|                                                                              |            | Boards thickness in mm |                                     |        |        |                                    |
|                                                                              |            | units                  | 6-10                                | >10-18 | >18-25 |                                    |
| Bending strength acc. EN310                                                  | Major axis | N/mm <sup>2</sup>      | 30                                  | 28     | 26     | EN13986:2004<br>+A1:2015           |
|                                                                              | Minor axis | N/mm <sup>2</sup>      | 16                                  | 15     | 14     |                                    |
| Bending stiffness (Modulus of elasticity) acc/ EN310                         | Major axis | N/mm <sup>2</sup>      | 4800                                | 4800   | 4800   |                                    |
|                                                                              | Minor axis | N/mm <sup>2</sup>      | 1900                                | 1900   | 1900   |                                    |
| Tensile strength (Internal bond) acc. TN319                                  |            | N/mm <sup>2</sup>      | 0,50                                | 0,45   | 0,40   |                                    |
| Durability (Swelling in thickness-24h immersion) acc. EN317                  |            | %                      | 12                                  | 12     | 12     |                                    |
| Determination of moisture content acc.EN322                                  |            | %                      | 2-12                                |        |        |                                    |
| Determination of density acc. EN323                                          |            | %                      | ±15                                 |        |        |                                    |
| Release of content of formaldehyde acc. EN120                                |            |                        | Class E1 (≤8mg/100g oven dry board) |        |        |                                    |
| Durability (Moisture resistance-Internal boil after boil test) acc. EN1087-1 |            | N/mm <sup>2</sup>      | 0,17                                | 0,15   | 0,13   |                                    |

**Table 2 The characteristic values accordance to EN 12369-1**

| Essential characteristics          |                         | Performance            |      |        |        | Harmonised technical specification |
|------------------------------------|-------------------------|------------------------|------|--------|--------|------------------------------------|
|                                    |                         | Boards thickness in mm |      |        |        |                                    |
|                                    |                         | units                  | 6-10 | >10-18 | >18-25 |                                    |
| Strength values Stressess on board | Bending, major axis     | N/mm <sup>2</sup>      | 24,5 | 23,0   | 21,0   | EN13986:2004 +A1:2015              |
|                                    | Bending, minor axis     | N/mm <sup>2</sup>      | 13,0 | 12,2   | 11,4   |                                    |
|                                    | Compression, major axis | N/mm <sup>2</sup>      | 18,1 | 17,6   | 17,0   |                                    |
|                                    | Compression, minor axis | N/mm <sup>2</sup>      | 14,3 | 14,0   | 13,7   |                                    |
| Shear                              |                         | N/mm <sup>2</sup>      | 1,1  |        |        |                                    |

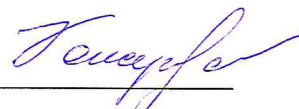
|                                        |                                   |                   |                                     |      |      |
|----------------------------------------|-----------------------------------|-------------------|-------------------------------------|------|------|
| Plate loading                          | Bending, major axis               | N/mm <sup>2</sup> | 11,9                                | 11,4 | 10,9 |
|                                        | Bending, minor axis               | N/mm <sup>2</sup> | 8,5                                 | 8,2  | 8,0  |
|                                        | Compression, major axis           | N/mm <sup>2</sup> | 18,1                                | 17,6 | 17,0 |
|                                        | Compression, minor axis           | N/mm <sup>2</sup> | 14,3                                | 14,0 | 13,7 |
| Shear                                  |                                   | N/mm <sup>2</sup> | 6,9                                 |      |      |
| Stiffness values<br>Stressess on board | Modulus of elasticity, major axis | N/mm <sup>2</sup> | 6780                                |      |      |
|                                        | Modulus of elasticity, minor axis | N/mm <sup>2</sup> | 2680                                |      |      |
| Shear modulus                          |                                   | N/mm <sup>2</sup> | 60                                  |      |      |
| Plate loading                          | Modulus of elasticity, major axis | N/mm <sup>2</sup> | 4300                                |      |      |
|                                        | Modulus of elasticity, minor axis | N/mm <sup>2</sup> | 3200                                |      |      |
| Shear modulus                          |                                   | N/mm <sup>2</sup> | 1090                                |      |      |
| Thermal conductivity $\lambda$         |                                   | W/mk              | 0,13                                |      |      |
| Thickness swelling                     |                                   | %                 | $\leq 12$                           |      |      |
| Release of formaldehyde                |                                   |                   | E1 (100% formaldehyde free binders) |      |      |
| Reaction to fire                       |                                   |                   | D-s1,d0                             |      |      |
| Biological                             |                                   |                   | Use class 1 +2                      |      |      |

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. The 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:

Tokareva T.V., chief technologist

(name and function)



(signature)

Torzhok 06/03/2017

(place and date of issue)