

**DECLARATION of PERFORMANCE.**

**Ref. no: YT- 14.**

1. Product name: 12 mm Forestia One Step Ceiling Moisture Resistant.
2. Product type : **Particleboard type: NS-EN 312 P5**
3. Intended use: **Boards for interior fitments (including furniture) for use in humid conditions.**
4. Manufacturer: **Forestia AS, 2435 Braskereidfoss, Norway.**
5. System of attestation of conformity: **System 2+**
6. Harmonised standard: **NS-EN 13986:2004+A1:2015.**  
Accredited laboratorium: **Norsk Treteknisk Institutt, identification no. 1070.**

7. Declared performance:

<b>Essential characteristics:</b>	<b>Performance:</b>	<b>Harmonised technical specification:</b>
Bending strength	18 MPa	NS-EN 13986:2004 +A1:2015.
Modulus of elasticity	2550 MPa	
Internal bond	0,45 MPa	
Swelling in thickness	11 %	
Moisture resistance after cyclic test:		
-Internal bond	0,25 MPa	
-Swelling in thickness	12 %	
Reaction to fire:		
12 mm particleboard, density > 600 kg/m <sup>3</sup> :	D-s2,d0	
Formaldehyde class	E1	
Airborne sound insulation	NPD	
Sound absorption:		
-Frequency range 250 – 500 Hz	0,10	
-Frequency range 1000 – 2000 Hz	0,25	
Water vapor permeability $\mu$ , wet/dry cup	15 / 50	
Thermal conductivity $\lambda$	0,13 W/(m K)	
Biological durability	NPD	
Release of pentachlorophenol	< 5 ppm	

NPD = No performance declared

8. The performance of the product identified in points no. 1 and 2 are in conformity with the declared performance in point no. 7.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point no. 4.

Signed for and on behalf of Forestia AS by:

Vegard Grønnerud,                      Quality Manager  
Name    Function.



Braskereidfoss, 14.09.2022

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Signature.