

## DECLARATION of PERFORMANCE.

Ref. no.: YT- 19.

1. Product name: **9 mm Forestia Ekstra P5**  
**12 mm Forestia Ekstra P5**
2. Product type : Ekstra P5: **Particleboard type: NS-EN 312 P5.**
3. Intended use: Type P5: **Load bearing boards for use in humid conditions.**
4. Manufacturer: **Forestia AS, 2435 Braskereidfoss, Norway.**
5. System of attestation of conformity: **System 2+**
6. Harmonized standard: **NS-EN 13986:2004+A1:2015**  
Accredited laboratorium: **Norsk Treteknisk Institutt, identification no. 1070.**

7. Declared performance:

Essential characteristics:	Performance:		Harmonized technical specification:
	9 mm Ekstra, P5	12 mm Ekstra, P5	
Bending strength	19 MPa	18 MPa	NS-EN 13986:2004 +A1:2015
Modulus of elasticity	2450 MPa	2450 MPa	
Internal bond	0,45 MPa	0,45 MPa	
Thickness swelling	13 %	11 %	
Moisture resistance after cyclic test:			
- Thickness swelling	12 %	12 %	
- Internal bond	0,30 MPa	0,25 MPa	
Reaction to fire:	D-s2, d0		
Airborne sound insulation	NPD		
Sound absorption, frequency 250-500 Hz	0,10		
” ” frequency 1000-2000 Hz	0,25		
Water vapor permeability $\mu$ , wet / dry cup	15 / 50		
Thermal conductivity, W/(m K)	0,13		
Biological durability	NPD		
Content of pentachlorophenol (PCP)	<5 ppm		
Formaldehyde potential	Class E1		

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, 01.04.2020

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Signature