

DECLARATION of PERFORMANCE. Ref. no.: YT- 01.

1. Product name: **18, 22 & 25 mm Forestia Flooring Board Standard P6.
18, 22 & 25 mm Forestia Flooring Board Ekstra P5/P6.**
2. Product type : Flooring Board Standard P6: **Particleboard type: NS-EN 312 P6**
Flooring Board Ekstra P5/P6: **Particleboard type: NS-EN 312 P5/P6**
3. Intended use: Type P6: **Heavy duty load bearing boards for use in dry conditions.**
Type P5/P6: **Heavy duty load bearing boards 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:

Essential characteristics:	Performanse:				Harmonized technical specification:
	18mm Forestia Flooring Board Standard P6	18mm Forestia Flooring Board Ekstra P5/P6	22&25mm Forestia Flooring Board Standard P6	22&25mm Forestia Flooring Board Ekstra P5/P6	
Bending strength MPa	18	18	16	16	NS-EN 13986:2004 +A1:2015
Modulus of elasticity MPa	3000	3000	2550	2550	
Internal bond MPa	0,50	0,50	0,40	0,40	
Thickness swelling	≤15 %	≤10 %	≤15 %	≤10 %	
Moisture resistance after cyclic test:					
- Thickness swelling		≤12 %		≤11 %	
- Internal bond MPa		0,22		0,20	
<u>Strength and stiffness for structural use:</u>					
-Static point load	Passed	Passed	Passed	Passed	
-Dynamic loading	Passed	Passed	Passed	Passed	
Reaction to fire:	D _{FL} - s1	D _{FL} - s1	D _{FL} - s1	D _{FL} - s1	
Airborne sound insulation	NPD	NPD	NPD	NPD	
Sound absorption, frequency 250-500 Hz	0,10	0,10	0,10	0,10	
” ” frequency 1000-2000 Hz	0,25	0,25	0,25	0,25	
Water vapor permeability μ, wet / dry cup	15 / 50	15 / 50	15 / 50	15 / 50	
Thermal conductivity, W/(m K)	0,13	0,13	0,13	0,13	
Biological durability	NPD	NPD	NPD	NPD	
Content of pentachlorophenol (PCP)	<5 ppm	<5 ppm	<5 ppm	<5 ppm	
Formaldehyde potential	Class E1	Class E1	Class E1	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, 25.01.2023

.....
Signature.