

<b>Document</b>	<b>KC/QUAL/DOC/0052</b>	
Updated by:	Toby Dell	Date: 26/11/2015
Approved by:	Claire Beavis	Page 1 of 2
Vers Num: 4	Printed:	08/11/2016

## DECLARATION OF PERFORMANCE

1. Product-type:

**EN 312 P5 Particleboard (T&G Flooring)**

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

**Structural humid applications**

3. Name and contact address of the manufacturer :

**Kronospan Limited  
Holyhead Road  
Chirk  
Wrexham  
LL14 5NT**

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

**System 2+**

5. Notified Body information:

**BM TRADA Certification  
Chiltern House,  
Stocking Lane,  
Hughenden Valley,  
High Wycombe,  
Bucks HP14 4ND**

FPC Certificate No.                      1224-CPR-0034 Kronospan Limited

6. Declared performance

Essential characteristics	Performance		Harmonised technical specification
Thickness (mm)	>13 to 20	>20 to 25	EN 13986:2004 +A1:2015
*Characteristic Strength (N/mm <sup>2</sup> )			
- Bending $f_m$	13.3	11.7	
1. Compression $f_c$	11.8	10.3	
2. Tension $f_t$	8.5	7.4	
3. Panel Shear $f_v$	6.5	5.9	
4. Planar shear $f_r$	1.7	1.5	
Mean Stiffness (MOE) (N/mm <sup>2</sup> )			
5. Tension $E_t$	1900	1800	
- Compression $E_c$	1900	1800	
- Bending $E_m$	3300	3000	
- Panel Shear $G_v$	930	860	
*Characteristic Point load $F_{max, k}$ (kN) (for floors and roofs)	NPD	NPD	
Point load mean stiffness (N/mm) (for floors and roofs)	NPD	NPD	
*Characteristic Point load serviceability $F_{ser, k}$ (kN) (for floors and roofs)	NPD	NPD	
Racking resistance (for walls)	NPD	NPD	
Soft Body Impact resistance Floor/roofs and Walls	NPD	NPD	
Reaction to fire	D-s2,d0	D-s2,d0	
Water vapour permeability $\mu$	NPD	NPD	

<b>Document</b>	<b>KC/QUAL/DOC/0052</b>	
Updated by:	Toby Dell	Date: 26/11/2015
Approved by:	Claire Beavis	Page 2 of 2
Vers Num: 4	Printed:	08/11/2016

Release of formaldehyde	E1	E1
Release (content) of pentachlorophenol (PCP)	≤5ppm	≤5ppm
Airborne sound insulation (surface mass) (R)	NPD	NPD
Sound absorption Frequency range 250Hz to 500Hz (α)	0.1	0.1
Sound absorption Frequency range 1000Hz to 2000Hz (α)	0.25	0.25
Thermal conductivity λ	NPD	NPD
Durability		
Internal bond (N/mm <sup>2</sup> )	0.45	0.40
Swelling in thickness (%)	10	10
Internal bond after cyclic test (N/mm <sup>2</sup> )	0.22	0.20
Swelling in thickness after cyclic test (%)	12	11
Mechanical (duration of load k <sub>def</sub> ) service class 1	2.25	2.25
Mechanical (duration of load k <sub>def</sub> ) service class 2	3	3
Mechanical (creep k <sub>mod</sub> ) Service class 1- medium term action	0.45	0.45
Mechanical (creep k <sub>mod</sub> ) Service class 2- medium term action	0.30	0.30
Biological	Use classes 1 & 2	

**\*\*characteristic' means lower 5<sup>th</sup> percentile calculated according to EN 1058**

The performance of the product identified in points 1 is in conformity with the declared performance in point 6.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed for and on behalf of the manufacturer by:



Mr Toby Dell, Technology Manager