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| UK CA |
| <p>Kronospan Limited Holyhead Road Chirk Wrexham LL14 5NT</p> <p>21 EN 13986:2004</p> <p>P2 For non structural use in interior fitments (including furniture) in dry conditions</p> <p>DoP Ref: KC/QUAL/DOC/0096</p> <p>https://uk.kronospan-express.com/en/express-services/downloads</p> |

| Essential characteristics | Performance | | | | | | | | |
|---|---------------|--------|---------|----------|-----------|-----------|-----------|-----------|-------|
| | Thickness(mm) | | | | | | | | |
| | <3 | 3 to 4 | >4 to 6 | >6 to 13 | >13 to 20 | >20 to 25 | >25 to 32 | >32 to 40 | > 40 |
| ¹ Water vapour permeability μ | NPD | NPD | NPD | NPD | NPD | NPD | NPD | NPD | NPD |
| Release of formaldehyde (class E1 or E2) | E1 | E1 | E1 | E1 | E1 | E1 | E1 | E1 | E1 |
| Release (content) of pentachlorophenol (PCP) | ≤5ppm | ≤5ppm | ≤5ppm | ≤5ppm | ≤5ppm | ≤5ppm | ≤5ppm | ≤5ppm | ≤5ppm |
| ² Airborne sound insulation (surface mass) R (dB) | NPD | NPD | NPD | NPD | NPD | NPD | NPD | NPD | NPD |
| ³ Sound absorption factor Frequency range 250Hz to 500Hz (α) | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| ³ Sound absorption factor Frequency range 1000Hz to 2000Hz (α) | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| ⁴ Thermal conductivity λ (W/mK) | NPD | NPD | NPD | NPD | NPD | NPD | NPD | NPD | NPD |

| | | | | | | | | | |
|--|--------------------|------|--|----------|--|---------|-------------------------------|---------------------|------|
| Air permeability V_0 (m^3/h) | NPD | NPD | NPD | NPD | NPD | NPD | NPD | NPD | NPD |
| Durability | | | | | | | | | |
| Internal bond (N/mm^2) | 0.45 | 0.45 | 0.45 | 0.40 | 0.35 | 0.30 | 0.25 | 0.20 | 0.20 |
| Surface soundness (N/mm^2) | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| Bending Strength (N/mm^2) | 13 | 13 | 12 | 11 | 11 | 10.5 | 9.5 | 8.5 | 7 |
| Modulus of elasticity in bending (N/mm^2) | 1800 | 1800 | 1950 | 1800 | 1600 | 1500 | 1350 | 1200 | 1050 |
| Biological | Use class 1 | | | | | | | | |
| ⁵ Reaction to fire (see notes to table for field of application details and associated documentation references) | | | Minimum thickness | | Class (excluding floorings) ^g | | Class (Flooring) ^h | | |
| | | | Without an air gap behind the panel ^{abef} | 9,12,15* | | D-s2,d0 | | D _{fi} ,s1 | |
| | | | With a closed or open air gap ≤ 22mm behind the panel ^{cef} | 9, 12* | | D-s2,d2 | | - | |
| | | | Closed air gap behind the panel ^{def} | 15 | | D-s2,d0 | | D _{fi} ,s1 | |
| | | | With an open air gap behind the panel ^{def} | 18 | | D-s2,d0 | | D _{fi} ,s1 | |
| | | | Any end use ^{ef} | 3 | | E | | E _{fi} | |
| a Mounted without an air gap directly against class A1 or A2-s1, d0 products with minimum density 10kg/m ³ or at least class D-s2, d2 products with minimum density 400 kg/m ³ . b A substrate of cellulose insulation material of at least class E may be included if mounted directly against the wood-based panel, but not for floorings. c Mounted with an air gap behind. The reverse face of the cavity shall be at least class A2-s1, d0 products with minimum density 10 kg/m ³ . d Mounted with an air gap behind. The reverse face of the cavity shall be at least class D-s2, d2 products with minimum density 400 kg/m ³ . e Veneered, phenol- and melamine-faced panels are included for class excl. floorings. f A vapour barrier with a thickness up to 0,4 mm and a mass up to 200 g/m ² can be mounted in between the wood-based panel and a substrate if there are no air gaps in between. g Class Provided for in Table 1 of the Annex to decision 2000/147/EC h Class Provided for in Table 2 of the Annex to decision 2000/147/EC | | | | | | | | | |
| NOTES TO TABLE | | | | | | | | | |
| 1 Taken from Table 9 of EN 13986:2004+A1 | | | | | | | | | |
| 2 Calculated according to clause 5.10 of EN 13986:2004+A1 | | | | | | | | | |
| 3 Taken from Table 10 of EN 13986:2004+A1 | | | | | | | | | |
| 4 Taken from Table 11 of EN 13986:2004+A1 | | | | | | | | | |
| 5 reaction to fire classes from Table 1 of Commission Decision 2003/43/EC of January 2003 (OJEU L13 of 18.1.2003) corrected by Corrigendum (OJEU L33 of 8.2.2003) and amended by Commission decision 2007/348/EC of May 2007 (OJEU L131 of 23-05-2007); also reproduced in Table 8 of EN 13986:2004+A1:2015 for wood-based panels installed according to CEN/TR 12872 , | | | | | | | | | |
| *with minimum density 400 kg/m ³ | | | | | | | | | |