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13

EN 13986
MF MDF
E1

DoP Ref: KC/QUAL/DOC/0048

<http://www.kronospan.co.uk/downloads/technical/CPR>

Thickness (mm)	1.8 to 2.5	>2.5 to 4	>4 to 6	>6 to 9	>9 to 12	>12 to 19	>19 to 30	>30 to 45	>45
Internal Bond (N/mm ²)	0.65	0.65	0.65	0.65	0.6	0.55	0.55	0.5	0.5
Bending Strength (N/mm ²)	23	23	23	23	22	20	18	17	15
Swelling in thickness 24 h (%)	45	35	30	17	15	12	10	8	6
Modulus of elasticity in bending (N/mm ²)	-	-	2700	2700	2500	2200	2100	1900	1700
Release of formaldehyde	E1	E1	E1	E1	E1	E1	E1	E1	E1
Reaction to fire	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Water vapour permeability	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Airborne sound insulation	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Sound absorption	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Thermal conductivity	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Biological durability	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1
Content of pentachlorophenol	≤5ppm	≤5ppm	≤5ppm	≤5ppm	≤5ppm	≤5ppm	≤5ppm	≤5ppm	≤5ppm

Only boards with a thickness of 9mm or more have a fire rating of D-s2, d0