

Birchland Plywood-Veneer Ltd.

Plywood core with No Added Formaldehyde (NAF)

Technical Characteristics

Applications:	Furniture manufacturing, hardwood-working, cabinet and architectural design.
Major species:	Aspen Poplar (<i>Populus tremuloides</i>).
Adhesive:	Non Added Formaldehyde Soyad™ Technology.
Adhesive characteristics:	ANSI/HPVA HP 1 Type II.
Quality offered:	Industrial # 1 and # 2. Panels Long Grain and Cross Grain.
Quality controls:	Woodmark Quality Systems.
Average moisture content:	6 to 8% H (dry basis).
Specific gravity:	430 kg /m ³ (27 lbs/p ³) @ 7% H.

Tolerances/dimensional variations

Thickness variations (bundle) :	(+) 0,012'' and (-) 0,000'', (+) 0,30 mm and (-) 0,00 mm.
:	± 0,005'', ± 0,13 mm. (Exceeds ANSI/HPVA HP 1-2009).
Long :	± 1/32'', ± 0,79 mm. (Meets ANSI/HPVA HP 1-2009).
Largers panels:	± 1/32'', ± 0,79 mm. (Meets to ANSI/HPVA HP 1-2009).
Xgrain:	± 3/32'', ± 2, 4 mm. (Meets to ANSI/HPVA HP 1-2009).

Formaldehyde emission:	Supervised by HPVA ARB TPC-8 to meet CARB Phase II Formaldehyde Emission Control Program. Platform is eligible for Non Added Formaldehyde (NAF) Hardwood Plywood Product.
-------------------------------	---

Physico mechanical characteristics ¹:

Surface bond:	1, 4 N/mm ² , (≈200 psi).
Internal bond:	0,640 N/mm ² , (≈ 90 psi).
Modulus of rupture (MOR):	34 N/mm ² , (≈4 800 psi).
Modulus of elasticity (MOE):	4 300 N/mm ² , (≈620 000 psi).
Screw holding (surface):	1 400 N, (≈6 200 lbs).
Screw holding (side):	1 080 N, (≈ 4 800 lbs).

¹ Based on physico-mechanical tests conducted under ASTM D-1037 on 11/16'' (17,5 mm)