

FORMAKOTE™ RADIANCE LL

SPECIFICATION SHEET NOVEMBER 2024

HI-WHITE, TWO SIDE COATED FOLDING BOX BOARD

Formakote™ Radiance is the ideal choice for brand owners and marketers looking for a cost-effective, white two-sided coated board that will promote and enhance brand values and identity. The smooth coated surface on Formakote™ Radiance provides a clean, crisp, white flat print surface that delivers outstanding printability and enhanced graphics.

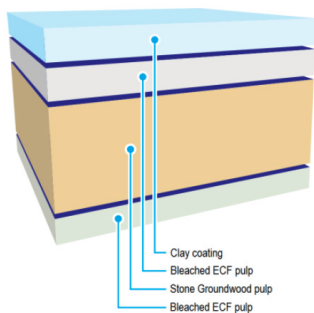
Made from 100% virgin fibre, sourced from sustainable Radiata Pine plantations within a 100km radius of our Mill, available with FSC® - C010438 certified board on request.

Application Ideas:

- Premium print litho lamination onto corrugated and other substrates
- Wine cases, electronics, grocery packaging, point of sale

Our products are tested for food safety against conditions of use that should not be assumed to include the above-listed applications. To ensure we are providing the correct product with the correct product safety, we must know the intended final use.

Please contact us with this information before using our product for any application.



Structure:

- 3-ply board structure for yield and stiffness
- Double coated top side
- Uncoated reverse side (Manilla)

Printability:

- Complex graphics
- Able to be highly glossed, foiled, embossed
- Neutral shade allowing more consistent colour reproduction
- Suitable for all printing applications including gravure

Ordering:

- Minimum order size may apply
- Deckle surcharge may apply
- Call your customer service representative for assistance

Product Safety:

- GMP as per EC 2023/2006
- Uses only virgin pulp fibres
- Free of optical brightening agents
- Materials used are approved for food contact according to:
 - EC 1935/2004
 - US FDA CFR Title Part 176.170 and 176.180
 - German BfR Recommendation XXXVI
 - China GB 4806.1 and 4806.8

Specific compliance details are available in our product safety statements.



**EXCELLENCE
IN BOARD,
EVERY DAY**

For further specification and samples email customerservice@wml.biz or phone WML sales on +64 7 306 3840

FORMAKOTE™ RADIANCE LL SPECIFICATION

THICKNESS	GRAMMAGE	BENDING RESISTANCE L & W (15°)		BENDING MOMENT TABER (15°)		MOISTURE
METRIC						
µm	g/m ²	MD mN	CD mN	MD mNm	CD mNm	%
260	181	50	25	2.4	1.2	6.5-10.5
IMPERIAL						
PT	lbs/MSF	MD gf	CD gf	MD gf-cm	CD gf-cm	%
10.2	37	5	3	24	12	6.5-10.5

PRINTING SURFACE PROPERTIES	
IGT Blister Velocity (medium viscosity oil)	1.2 m/s
IGT Pick Velocity (medium viscosity oil)	1.2 m/s
ISO Brightness	83 %
PPS Roughness (10 kgf)	1.0 µm

OTHER PROPERTIES	
Scott Plybond	175 J/m ² 83.3 ft.lb/1000 in ²
Cobb (60 s) - Back Liner	35 g/m ²

TOLERANCES	
Thickness	±25 µm ±0.001 inch
Grammage	±5 %
Bending Resistance	-20 %
Bending Moment	Typical conditioned values
ISO Brightness	±2 brightness units
PPS Roughness (10 kgf)	Max 1.3 µm
Scott Plybond	-20 %
Cobb (60 s)	+40 g/m ²
IGT Pick/Blister	≥0.6 m/s

Whakatane Mill Ltd certified systems:

- Food Safety System Certification (FSSC) 22000
- ISO 9001 Quality Management System
- ISO 14001 Environmental Management System
- FSC Chain-of-Custody;
FSC Licence Code FSC® C010438

Notes:

These property mean values and limits are the manufacturing standards applied by Whakatane Mill and relate to machine roll tests carried out according to Appita (NZS/AS 1301).

All paperboard exhibits loss in stiffness and plybond caused by routine physical actions in converting (i.e. decurling, wrapping cylinders or passing through nips during printing etc.).



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