FORMAKOTE™ RADIANCE

SPECIFICATION SHEET JUNE 2025

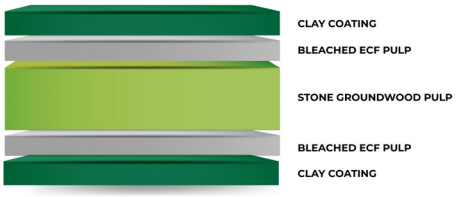
HI-WHITE, COATED TWO SIDES FOLDING BOXBOARD

Formakote™ Radiance is the ideal choice for brand owners and marketers looking for a premium, white double blade 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.

Application Ideas:

- Health Care - multivitamins, pharmaceuticals and nutraceuticals
- Personal Care - cosmetics, toiletries, haircare
- Cigarette - flips, outers
- Tea - bags, loose

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 blade coated top side
- Single rod coated reverse side

Clean White Interior:

- Clinical appearance for cosmetics/ pharmaceuticals
- Clean look for speciality food products

Printability:

- Suitable for all printing applications including gravure
- Spot gloss, cold foiling and embossing
- Complex graphics
- Back side fully printable
- Neutral shade allowing more consistent colour reproduction
- Pharmaceutical laser coding-certified

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.

WML PAPERBOARD

For further specification and samples email **sales@wmlpaperboard.com** or phone WML sales on **+64 7 306 3840**

JUNE2025

FORMAKOTE™ RADIANCE SPECIFICATION

THICKNESS	GRAMMAGE	BENDING RESISTANCE L & W (15°)		BENDING MOMENT TABER (15°)		MOISTURE
METRIC						
µm	g/m²	MD mN	CD mN	MD mNm	CD mNm	%
260	194	50	25	2.4	1.2	6.5-10.5
300	212	122	53	5.9	2.6	6.5-10.5
350	240	190	85	9.2	4.1	6.5-10.5
400	258	280	122	13.5	5.9	6.5-10.5
450	281	360	156	17.4	7.5	6.5-10.5
500	300	440	195	21.3	9.4	6.5-10.5
550	319	536	235	25.9	11.4	6.5-10.5
600	342	640	266	30.9	12.8	6.5-10.5
IMPERIAL						
PT	lbs/MSF	MD gf	CD gf	MD gf-cm	CD gf-cm	%
10.2	40	5	3	24	12	6.5-10.5
11.8	43	12	5	60	27	6.5-10.5
13.8	49	19	9	94	42	6.5-10.5
15.7	53	29	12	138	60	6.5-10.5
17.7	58	37	16	177	76	6.5-10.5
19.7	61	45	20	217	96	6.5-10.5
21.7	65	55	24	264	116	6.5-10.5
23.6	70	65	27	315	131	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/m² | 83.3 ft.lb/1000 in²
Cobb (60 s) - Back Liner	35 g/m²

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/m²
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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