

FORMAKOTE™ SOLAIRE

SPECIFICATION SHEET NOVEMBER 2024

COATED ONE SIDE FOLDING BOXBOARD

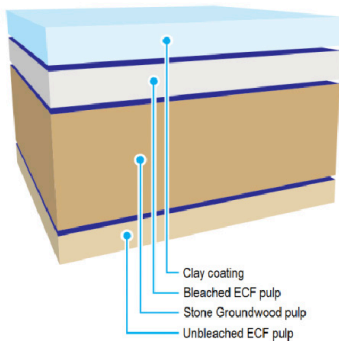
Formakote™ Solaire is light in weight and high in bulk, making it suitable for a wide range of FMCG applications. With a double coated top side, you can achieve crisp and complex graphics, while the uncoated reverse side ensures the board remains a cost-effective option for all product packaging needs.

Application Ideas:

- FMCG - cereals, tea and coffee, frozen meals, bakery, seafood, tissues
- Food service - takeaway clamshells, trays, fries cartons

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

Printability:

- Suitable for sheet-fed offset, digital and flexo printing
- Complex graphics

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 and must be carefully read.



**EXCELLENCE
IN BOARD,
EVERY DAY**

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

FORMAKOTE™ SOLAIRE 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	%
280	182	114	54	5.5	2.6	6.5-10.5
315	200	153	69	7.4	3.3	6.5-10.5
350	219	190	85	9.2	4.1	6.5-10.5
400	235	280	122	13.5	5.9	6.5-10.5
450	260	360	156	17.4	7.5	6.5-10.5
500	277	440	195	21.3	9.4	6.5-10.5
550	296	536	235	25.9	11.4	6.5-10.5
600	321	640	266	30.9	12.8	6.5-10.5
IMPERIAL						
PT	lbs/MSF	MD gf	CD gf	MD gf-cm	CD gf-cm	%
11.0	37	12	6	56	27	6.5-10.5
12.4	41	16	7	75	34	6.5-10.5
13.8	45	19	9	94	42	6.5-10.5
15.7	48	29	12	138	60	6.5-10.5
17.7	53	37	16	177	76	6.5-10.5
19.7	57	45	20	217	96	6.5-10.5
21.7	61	55	24	264	116	6.5-10.5
23.6	66	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	79 %
PPS Roughness (10 kgf)	1.4 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	±3 brightness units
PPS Roughness (10 kgf)	Max 2.1 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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