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GRAPHICAL BOARD
EASY REFERENCE GUIDE



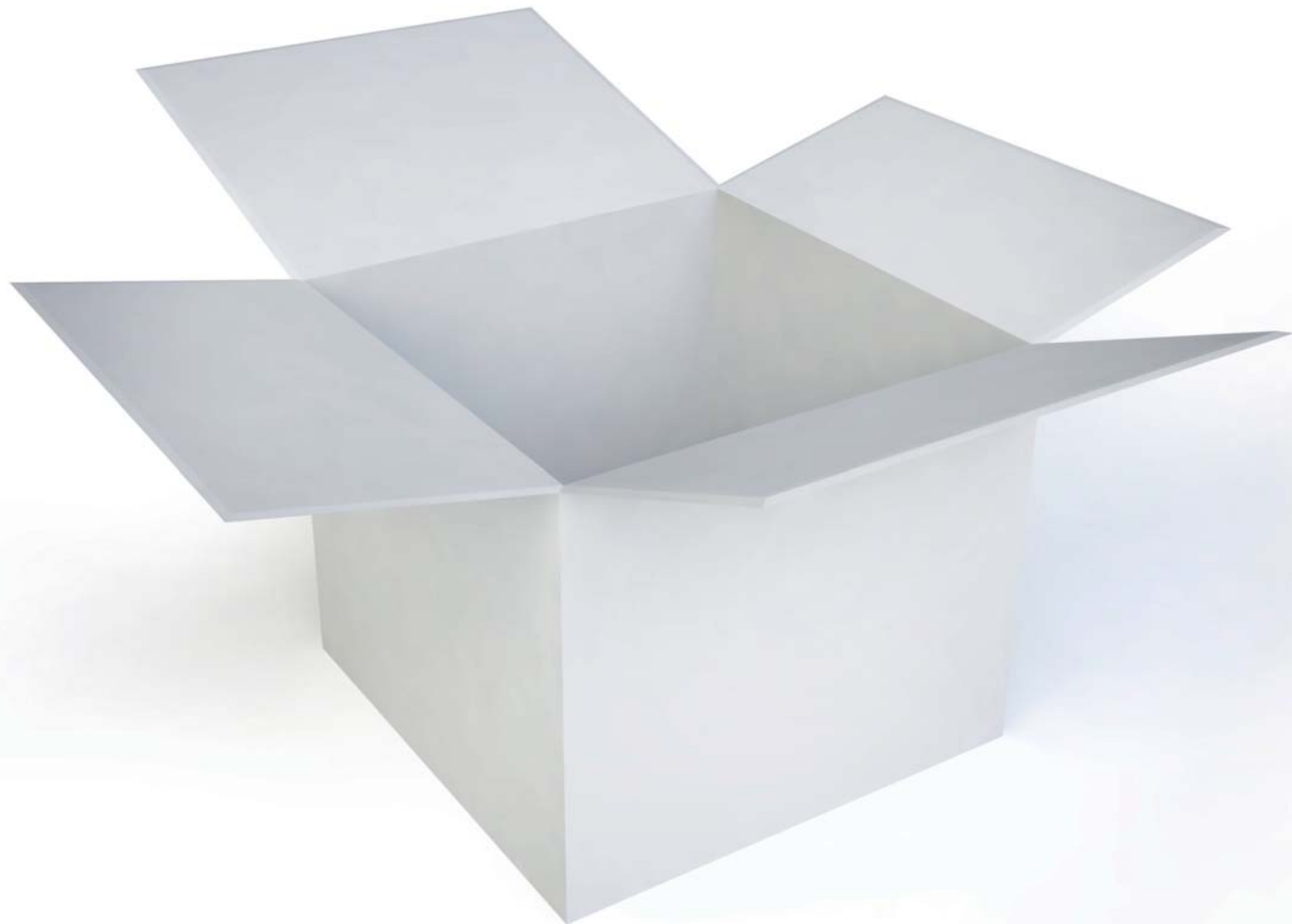
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CHROMOLUX

Chromolux is a super glossy, cast coated range of boards and papers available in an extensive range of modern colours and white.

- Super glossy and smooth surface.
- High colour fidelity.
- Photo-like image reproduction.
- Excellent flatness and dimensional stability.



CHROMOLUX STOCK RANGE CHART

- **What is it?:** Chromolux is an super glossy cast coated board range ideal for luxury packaging applications.
- **Suitable for:** Screen & Offset Litho.
- **Major attributes:** FSC.
- **Environmental:** ECF, ISO 9001, ISO 14001 and OHSAS18001.
- **Available:** Next day from stock.
- **Further details:** Contact your Regional Sales Office for further information.
- Label Papers also available.

COLOUR	GSM	180	250	300	350
White		B1	B1	B1	B1
Black			B1		
Blue			B1		
Metallic Gold			B1		
Metallic Silver			B1		
Red			B1		
Yellow			B1		
Cream			B1		
Green			B1		
Peal White			B1		
Magic Chrome			B1		
Magic Rock			B1		
Deep Blue			B1		



CHROMOLUX



CHROMOLUX 700 BOARD

TECHNICAL SPECIFICATIONS	SPEC	GSM	180	215	250	275	300	350	400
	Caliper (µm) DIN 53105, part 1		203	242	284	316	345	403	460
	Gloss % DIN 54502, R'(45°)		>65	>65	>65	>65	>65	>65	>65
	Roughness - top side (µm ml/min) PPS 78, DIN 53108		<0,80	<0,80	<0,90	<1,0	<1,0	<1,0	<1,0
	Roughness - reverse side (µm ml/min) PPS 78, DIN 53108		<400	<450	<450	<450	<450	<500	<500
	Whiteness % (top) DIN 53145, part 2 Elrepho SF 450		94,8	94,8	94,8	94,8	94,8	94,8	94,8
	Bending Strength - MD (mNm) DIN 53121, (5°/50mm)		>2,5	>5,0	>8,5	>12,0	>14,5	>24,0	>33,0
	Bending Strength - CD (mNm)		>1,0	>2,0	>4,0	>5,5	>7,0	>11,5	>15,5
	pH-value top side		9,6	9,6	9,6	9,6	9,6	9,6	9,6

CHROMOLUX COLOR

TECHNICAL SPECIFICATIONS	SPEC	GSM	250
	Caliper (µm) DIN 53105, part 1		284
	Roughness - reverse side (ml/min) DIN 53108		<450
	Bending Strength - MD (mNm) DIN 53121, (5°/50mm)		>8,5
	Bending Strength - CD (mNm)		>4,0

CHROMOLUX METALLIC

TECHNICAL SPECIFICATIONS	SPEC	GSM	90	250
	Caliper (µm) DIN 53105, part 1		88	284
	Roughness reverse side (ml/min) DIN 53108		<570	<450
	Cobb Test reverse side (gsm) DIN 53132 (10 sec)		>8	—
	Tensile Strength - Dry (N) MD, DIN 53122, part 1		>57	—
	Tensile Strength - Dry (N) CD		>27	—
	Tensile Strength - Wet (N) MD		>4,0	—
	Tearing Strength - Average (mNm/m) DIN 53115/Brecht-Imset		>700	—
	Tearing Strength - MD (mNm/m)		>680	—
	Tearing Strength - CD (mNm/m)		>720	—
	Bending Strength - MD (mNm) DIN 53121, (5°/50mm)		—	>8,5
	Bending Strength - CD (mNm)		—	>4,0

CHROMOLUX MAGIC

TECHNICAL SPECIFICATIONS	SPEC	GSM	250
	Caliper (µm) DIN 53105, part 1		284
	Roughness - reverse side (ml/min) DIN 53108		<450
	Bending Strength - MD (mNm) DIN 53121, (5°/50mm)		>8,5
	Bending Strength - CD (mNm)		>4,0

CHROMOLUX PEARL

TECHNICAL SPECIFICATIONS	SPEC	GSM	250
	Caliper (µm) DIN 53105, part 1		284
	Roughness reverse side (ml/min) DIN 53108		<450
	Bending Strength MD (mNm) DIN 53121, (5°/50mm)		>8,5
	Bending Strength CD (mNm)		>4,0
	Testing Condition 50% RLF at 23°C, DIN 50014		

TRUCARD

Trucard is a FSC certified solid bleached sulphate board (SBS) available in an extensive range of sizes, substances and finishes. The twin-wire manufacturing process of Trucard guarantees a smooth, clean finish along with excellent printability and durability.

- Made from 100% woodfree pulp and is fully recyclable.
- Outstanding level of whiteness together with a smooth, quality printing surface.
- An extensive range of size and substances.
- Certified as safe for use in direct contact with dry and non-fatty foods.

- **What is it?:** A solid bleached sulphate board (SBS). Trucard is ideal for high quality graphical and packaging applications that require a one sided or two sided coated board.
- **Suitable for:** Graphical print, packaging, gravure, offset litho, laser, letterpress and screen printing processes. Highly recommended for embossing, film and foil laminating, varnishing, folding, scoring and die cutting. Typical applications include brochures, cards, covers, pharmaceuticals and premium food products.
- **Major attributes:** Made from 100% woodfree pulp and is fully recyclable. FSC certification.
- **Environmental:** ECF, ISO 14001, ISO 9706, 1998:SI1 165 and BS EN71-3 1995, FSC certification.
- **Available:** Next day from stock.
- **Further details:** Contact your Regional Sales Office for further information.



TRUCARD 1 GLOSS/MATT BOARD COMPOSITION:

	Topcoat
	Precoat
	Top layer (sulphate Pulp)
	Back layer (sulphate Pulp)

TRUCARD 1 GLOSS

A solid bleached sulphate board fully coated on one side

TECHNICAL SPECIFICATIONS	SPEC	GSM	180	200	220	240	260	280	300	330	350	380	400
	Bulk (µm)		215	245	275	300	330	355	380	420	450	500	535
	Relative Humidity %		38	38	38	38	38	38	38	38	38	38	38
	Gloss (ISO 8254-1)		67	67	67	67	67	67	67	67	67	67	67
	Smoothness (BS 6563)		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	Stiffness MD		2.8	3.7	5.2	6.7	8.6	10.8	13.3	17.9	21.5	27.6	31.8
	Stiffness CD		1.7	2.3	3.1	4	5.1	6.3	7.2	10.4	12.1	15.8	17.9
	CIE Whiteness		120	120	120	120	120	120	120	120	120	120	120

RANGE CHART

SIZE	GSM (MIC)	180 (215)	200 (245)	220 (275)	240 (300)	260 (330)	280 (355)	300 (380)	330 (420)	350 (450)	380 (500)	400 (535)
450 x 640		P		P	P/B	P/B	P/B	P/B	P	P	P	P/B
520 x 720				P	P/B	P	P/B	P/B		P		
640 x 900					P							
720 x 1020			P	P	P/B	P/B	P/B	P/B		P/B	P/B	P/B

P - packet wrapped, B - bulk packed



TRUCARD

TRUCARD 2 GLOSS

A solid bleached sulphate board fully coated on both sides												
TECHNICAL SPECIFICATIONS	SPEC \ GSM	200	220	240	260	280	300	350	400	450	500	530
	Bulk (µm)	195	220	250	275	300	330	395	460	525	590	660
	Relative Humidity %	38	38	38	38	38	38	38	38	38	38	38
	Gloss (ISO 8254-1)	67	67	67	67	67	67	67	67	67	67	67
	Smoothness (BS 6563)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	Stiffness MD	3	4.2	5.2	6.9	8.5	10.9	17.1	24.3	32.5	40.4	47
	Stiffness CD	2.1	3.0	3.8	4.8	5.9	7.2	11.1	16.2	21.5	25.8	28
	CIE Whiteness	120	120	120	120	120	120	120	120	120	120	120
RANGE CHART	SIZE \ GSM (MIC)	200 (195)	220 (220)	240 (250)	260 (275)	280 (330)	300 (330)	350 (395)	400 (460)	450 (525)	500 (590)	530 (660)
	450 x 640	P		P		P	P	P/B	P/B	P	P/B	P
	520 x 720			P	P	P	P	P/B	P/B	P	P/B	P
	640 x 900					P	P/B	P/B	P/B	P/B	P/B	P/B
	720 x 1020			B	P	P/B	P/B	P/B	P/B	P/B	P/B	P/B
P - packet wrapped, B - bulk packed												

TRUCARD 0 MATT

An uncoated solid bleached sulphate board with a natural finish					
TECHNICAL SPECIFICATIONS	SPEC \ GSM	280	300	330	380
	Bulk (µm)	375	400	440	510
	Relative Humidity %	38	38	38	38
	Smoothness (BS 6563)	1.35	1.35	1.35	1.35
	Stiffness MD	13.8	14.5	17.7	26.6
	Stiffness CD	7.2	8.7	10.5	15.9
	CIE Whiteness	160	160	160	160
RANGE CHART	SPEC \ GSM (MIC)	280 (375)	300 (400)	330 (440)	380 (510)
	720 x 1020	P/B			P/B
P - packet wrapped, B - bulk packed					

TRUCARD 0 FELT EXTRA

A light coated solid bleached sulphate board with a subtle textured finish (also available in felt)			
TECHNICAL SPECIFICATIONS	SPEC \ GSM	280	300
	Bulk (µm)	390	420
	Relative Humidity %	38	38
	Smoothness (BS 6563)	1.4	1.4
	Stiffness MD	10.8	14
	Stiffness CD	6.9	8.2
	CIE Whiteness	136	136
RANGE CHART	SPEC \ GSM (MIC)	280 (390)	300 (420)
	720 x 1020	P/B	P/B
P - packet wrapped, B - bulk packed			

TRUCARD 2 GLOSS/MATT BOARD COMPOSITION:

	Topcoat
	Precoat
	Top layer (sulphate Pulp)
	Back layer (sulphate Pulp)
	Precoat
	Topcoat

TRUCARD 0 MATT/FELT BOARD COMPOSITION:

	Top layer (sulphate Pulp)
	Back layer (sulphate Pulp)

TRUCARD 0 FELT EXTRA BOARD COMPOSITION:

	Lick coat
	Top layer (sulphate Pulp)
	Back layer (sulphate Pulp)
	Lick coat

TRUCARD

TRUCARD ICE

A solid bleached sulphate board fully coated on one side with an exceptional, ultra smooth, high gloss coated surface			
TECHNICAL SPECIFICATIONS	SPEC \ GSM	260	300
	Bulk (µm)	305	355
	Relative Humidity %	40	40
	Gloss (ISO 8254-1)	35	35
	Smoothness (BS 6563)	0.6	0.6
	Stiffness MD	6.8	10.4
	Stiffness CD	3.7	5.6
	CIE Whiteness Coated	103	103
	CIE Whiteness Reverse	168	168
RANGE CHART	SPEC \ GSM (MIC)	260 (305)	300 (355)
	450 x 640	P	P
P - packet wrapped			

TRUCARD DIGITAL

A solid bleached sulphate board fully coated on one side with exceptional HP Indigo performance			
TECHNICAL SPECIFICATIONS	SPEC \ GSM	240	280
	Bulk (µm)	300	355
	Relative Humidity %	38	38
	Gloss (ISO 8254-1)	67	67
	Smoothness (BS 6563)	1.3	1.3
	Stiffness MD	6.7	10.8
	Stiffness CD	4	6.3
	CIE Whiteness	120	120
RANGE CHART	SPEC \ GSM (MIC)	240 (300)	280 (355)
	460 x 320	P	P
P - packet wrapped			



CARTA INTEGRA

Carta Integra is a fully coated white back folding box board (GC1), with a double blade coating on the front, which delivers outstanding print performance. The part mechanical centre allows for excellent foldability, while the single coating on the reverse delivers good 4 colour results.

- Excellent smoothness and printability is delivered from two blade coats.
- The white backed reverse side is also lick coated and can comfortably support 4 colour printing.
- A wide range of calipers and sizes available from stock.



CARTA INTEGRA BOARD COMPOSITION:

	Top Coating (Blade)
	Base Coating (Blade)
	Bleached Chemical Pulp
	Bleached thermo-mechanical Pulp
	Bleached Chemical Pulp
	Blade Coating

CARTA INTEGRA TECHNICAL SPECIFICATIONS

- **What is it?:** Carta Integra is a one sided white back folding box board (GC1) with a white centre and a lick coated reverse.
- **Suitable for:** Screen and Offset Litho.
- **Major attributes:** PEFC.
- **Environmental:** PEFC, ISO 9001, ISO 14001 and ECF.
- **Available:** Next day from stock.
- **Further details:** Contact your Regional Sales Office for further information.

SPEC	GSM	190	210	235	265	285	315	330
Thickness		260	305	355	410	455	505	535
Brightness Top % (ISO 2470)		91	91	91	91	91	91	91
Bulk (µm)		1.36	1.45	1.51	1.54	1.59	1.6	1.62
Smoothness (µm) ISO8791		0.9	0.9	0.9	0.9	0.9	0.9	0.9
Stiffness (Taber 15 degree - ISO2493)								
MD		2.5	3.8	5.4	8.4	11.0	14.0	16.0
CD		5.1	8.0	11.2	17.5	22.6	28.8	33.2

CARTA INTEGRA RANGE CHART

SIZE	GSM (MIC)	190 (260)	210 (305)	235 (355)	265 (410)	285 (455)	315 (505)	330 (535)
450 x 640		P	P/B	P/B	P/B	P/B	P	P/B
520 x 720		P	P	P/B	P/B	P/B	P/B	
640 x 900		P	P	P	P/B	P	P	P/B
720 x 1020		P	P	P/B	P/B	P/B	P/B	

P - packet wrapped, B - bulk packed

INCADA

A premium range of 1 side coated folding box boards, available in a white (GC1) and cream back (GC2). Incada is ideal for a wide range of applications such as book covers, food packaging, health care and confectionery markets, header cards and point of sale.

INCADA SILK (GC1)

- Excellent smoothness and printability is delivered from the pre-coat and two blade coats.
- The white backed reverse side is also lick coated and can comfortably support 4 colour printing.
- A wide range of calipers and sizes available from stock.



INCADA SILK BOARD COMPOSITION:

	Top Coating (Blade)
	Base Coating (Blade)
	Bleached Chemical Pulp
	Bleached thermo-mechanical Pulp
	Bleached Chemical Pulp
	Blade Coating

INCADA SILK TECHNICAL SPECIFICATIONS

- **What is it?:** Incada Silk is a one sided white back folding box board (GC1) with a lick coated reverse.
- **Suitable for:** Screen and Offset Litho.
- **Major attributes:** FSC and Bulk ratio.
- **Environmental:** FSC, ISO 9001, ISO 14001 and ECF.
- **Available:** Next day from stock.
- **Further details:** Contact your Regional Sales Office for further information.

SPEC	GSM	220	240	260	280	300	325	350
Thickness		325	365	405	445	485	540	590
Whiteness CIE ISO11475 (%)		112.5	112.5	112.5	112.5	112.5	112.5	112.5
Bulk (µm)		1.48	1.52	1.56	1.59	1.62	1.66	1.69
Smoothness (µm) ISO8791		1.0	1.0	1.0	1.0	1.0	1.0	1.0
Stiffness (Taber 15 degree - ISO2493)								
MD		9.8	13.1	16.9	21.3	26.3	33	40.2
CD		4.5	5.9	7.7	9.7	12	15	18.2

INCADA SILK RANGE CHART

SIZE	GSM (MIC)	220 (325)	240 (365)	260 (405)	280 (445)	300 (485)	325 (540)	350 (590)
450 x 640		P/B	P	P	P	P/B	P/B	P
520 x 720		P/B	P/B	P	P/B	P	P	P
640 x 900		P/B	P/B	P/B	P	P/B	P/B	P/B
720 x 1020		P/B	P/B	P/B	P/B	P/B		P/B

P - packet wrapped, B - bulk packed

INCADA

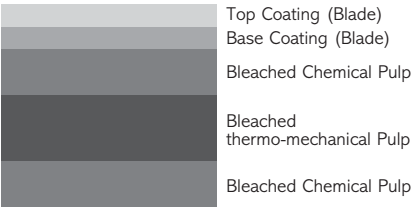
A premium range of 1 side coated folding box boards, available in a white (GC1) and cream back (GC2). Incada is ideal for a wide range of applications such as book covers, food packaging, health care and confectionery markets, header cards and point of sale.

INCADA EXEL (GC2)

- An industry leading bulk ratio of up to 1.8, means that you pay less for the thickness of Incada in comparison to its peers in the marketplace.
- Excellent smoothness and printability is delivered from the pre-coat and two blade coats.
- The cream backed reverse side can also be printed for less demanding printing requirements.
- Hard sized as standard for high water resistance demands, such as refrigeration and chiller cabinet products.
- A wide range of calipers and sizes available from stock.



INCADA EXEL BOARD COMPOSITION:



INCADA EXEL TECHNICAL SPECIFICATIONS

- **What is it?:** Incada Exel is a one sided cream back folding box board (GC2) hard sized as standard.
- **Suitable for:** Screen and Offset Litho.
- **Major attributes:** FSC and Bulk ratio.
- **Environmental:** FSC, ISO 9001, ISO 14001 and ECF.
- **Available:** Next day from stock.
- **Further details:** Contact your Regional Sales Office for further information.

SPEC	GSM	230	240	265	285	325
Thickness		375	400	450	500	590
Whiteness (IE ISO11475 (%))		112.5	112.5	112.5	112.5	112.5
Bulk (µm)		1.63	1.67	1.7	1.75	1.82
Smoothness (µm) ISO8791		1.0	1.0	1.0	1.0	1.0
Stiffness (Taber 15 degree - ISO2493)						
MD		13.2	15.3	20	24.2	33.8
CD		5.7	6.6	8.7	10.5	14.7

INCADA EXEL RANGE CHART

SIZE	GSM (MIC)	230 (375)	240 (400)	265 (450)	285 (500)	325 (590)
450 x 640			P/B	P/B	P/B	P/B
520 x 720			P/B	P/B	P/B	
640 x 900						P
720 x 1020			P/B	P/B	P/B	P/B
815 x 1120						P/B
1065 x 1575		P		P		
1250 x 1850		P		P		

P - packet wrapped, B - bulk packed



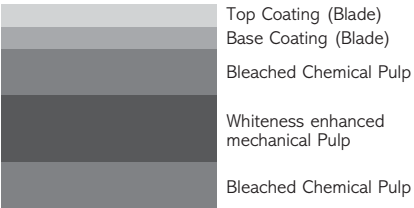
SIMCOTE

Simcote is a fully coated cream back folding box board (GC2), with a double blade coating on the front, which delivers outstanding print performance. The part mechanical centre allows for excellent foldability.

- Excellent smoothness and printability is delivered from two blade coats.
- Hard sized as standard for high water resistance demands, such as refrigeration and chiller cabinet products.
- A wide range of calipers and sizes available from stock.



SIMCOTE BOARD COMPOSITION:



SIMCOTE TECHNICAL SPECIFICATIONS

- **What is it?:** Simcote is a one sided cream back folding box board (GC2).
- **Suitable for:** Screen and Offset Litho.
- **Major attributes:** PEFC.
- **Environmental:** PEFC, ISO 9001, ISO 14001 and ECF.
- **Available:** Next day from stock.
- **Further details:** Contact your Regional Sales Office for further information.

SPEC	GSM	205	215	230	255	280	320	340
Thickness		350	375	400	450	500	600	650
Brightness Top % (ISO 2470)		84	84	84	84	84	84	84
Bulk (µm)		1.7	1.7	1.7	1.7	1.7	1.8	1.9
Smoothness (µm) ISO8791		<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4
Stiffness (Taber 15 degree - ISO2493)								
MD		4.7	5.8	7.0	9.7	12.6	18.9	22.1
CD		10.5	12.1	15.0	19.2	25.2	37.8	45.2

SIMCOTE RANGE CHART

SIZE	GSM (MIC)	205 (350)	215 (375)	230 (400)	255 (450)	280 (500)	320 (600)	340 (650)
450 x 640		P		P/B	P/B	P/B	P	
520 x 720		P/B		P/B	P/B	P/B	P/B	B
640 x 900		P	B	P/B	P/B	P/B	P/B	B
720 x 1020		P	B	P/B	P/B	P/B	P/B	B

P - packet wrapped, B - bulk packed



EMBLEM GREYBOARD

Made from post consumer waste, Emblem Greyboard is ideal for pad backs, bookbinding, packaging, files, folders, calendars, rigid boxes, display work, picture backing and mounting.

- A wide range of calipers from 300gsm/500mic - 1800gsm/3000mic.
- Excellent levels of bulk and rigidity.
- 100% recycled product.
- UK mill stock availability.



EMBLEM GREYBOARD RANGE CHART

Benefits:

- Choice of the most suitable substances.
- Finished work feels more substantial.
- Use lower grammage and save money.
- Helping to be environmentally responsible.
- Offers you a wider choice of sizes and substances quickly with reduced costs.

Size (mm)	Substance gsm/mic	Sheets per bundle	Item No
450 x 640	300/500	289	21762
640 x 900	300/500	144	22390
450 x 640	390/650	222	74859
A4 210 x 297	450/750	285	15507
450 x 640	450/750	192	74997
640 x 900	450/750	96	69093
760 x 1020	450/750	72	22411
450 x 640	540/900	160	75557
640 x 900	540/900	80	69259
450 x 640	750/1250	116	71165
640 x 900	900/1500	45	68527
760 x 1020	900/1500	35	16067
640 x 900	1440/2250	30	68698
760 x 1020	1440/2250	22	26528
640 x 900	1800/3000	24	26892
760 x 1020	1800/3000	18	26899



ESKA GREYBOARD

Eskaboard is the graphic solid board with the best lay flat, stay flat properties, made of 100% recovered paper.

Applications:

- Book Covers.
- Game boards.
- Lever arch files.
- Displays.
- Ringbinders.
- Showcards.
- Files.
- Puzzle and game boxes.
- Albums.
- Luxury packaging.
- Diaries.



ESKA GREYBOARD RANGE CHART

Benefits:

- Lay flat, stay flat.
- Smooth and even surface.
- Accurate calipers and sizes.
- Optimal runability.
- Easy to rotary cut, die cut, crease, score, drill, punch and groove.

Product certificates:

- FSC recycled (CU-COC-89179).
- Umweltzeichen (Blaue Engel).
- Foodstuffs and Consumer Goods Acts.
- DIN EN 71, part 3 (safety and toys).

Size (mm)	Substance gsm/mic	Sheets per bundle	Item No
635 x 760	1000	84	16091
640 x 900	1000	70	16092
760 x 1020	1000	52	16093
635 x 760	1500	56	16073
640 x 900	1500	47	16074
760 x 1020	1500	35	16075
640 x 900	1900	37	16077
760 x 1020	1900	27	16078
760 x 1020	2250	23	16080
640 x 900	2400	29	16098
760 x 1020	2750	19	16088
760 x 1020	3000	17	16082
760 x 1020	3500	15	16083



KENDAL MANILLA

Kendal Manilla is a strong, manilla board now firmly established as the benchmark for high quality within the filing and stationery markets. Use Kendal Manilla where you need the assurance of a high quality manilla board offering good printing and converting performance.

- Available from 180gsm to 485gsm, in various colours and sizes including 520 x 775mm and 560 x 740mm.
- Printing processes suitable for Kendal Manilla Board 4 colour litho; letterpress; silk screen; embossing; foil blocking; thermography.
- Ideal for stationery, dividers and folders.



KENDAL MANILLA TECHNICAL SPECIFICATIONS

- **Screen ruling:** Optimum 150 lpi.
- **Suitable inks:** All inks suitable for uncoated papers. Not suitable for pre-printing.
- **Conversion:** Perforating, drilling and die cutting.
- **Wrapping:** Strong, moisture proof polyethylene laminated kraft paper.
- **Certification:** ISO 14001, ISO 9001, EN 71/3:1988 D Safety of Toys.

Benefits:

- Smooth and even surface.
- Optimal runability.
- Easy to cut, die cut, crease and drill.
- Extensive range of sizes and colours.

SPEC	GSM	180	225	270	315	485
Smoothness Bendtsen (ml/min)		400	400	400	800	400
Moisture (%)		7.5	7.5	7.5	7.5	7.5
Burst (kPa)		415	520	600	630	1500
Thickness (mic)		215	270	325	380	560