

## BINDAKOTE

### Product Description

Bindakote is the original brand of prestigious cast coated papers and boards. Super smooth and mirror gloss surface, excellent stiffness and bulk, specific qualities for labelling, high colour integrity and market leading drying properties make Bindakote the right choice for all sophisticated printing and converting processes.

Now available with options of Bindakote Ice White 50% recycled and Bindakote Digital certified for digital printing on HP Indigo.

Bindakote it is available in a wide range of grammages and Bindakote Colours is a unique range of brilliant colours, pearl and soft metal shades plus black on black and blue on black, for all creative printing and packaging ideas.

### Technical Data

THE FOLLOWING DATA REFERS TO BINDAKOTE WRAP (wet strength for wet labelling)

	Method		+/-	80 g/m <sup>2</sup>	90 g/m <sup>2</sup>
<b>Basis weight</b>	ISO 536	g/m <sup>2</sup>	5%	80	90
<b>Caliper</b>	ISO 534	µm	5%	92	104
<b>Bulk</b>	ISO 534	cm <sup>3</sup> /g	-	1,1	1,2
<b>Gloss 20°</b>	ISO 2813	%	>	25	25
<b>ISO Brightness</b>	ISO 2470	%	2	83	83
<b>CIE Whiteness</b>	ISO 11475	%	7	90	90
<b>WET Tensile Strength MD</b>	ISO 3781	KN/m	>	0,9	0,9
<b>Cobb 120''</b>	ISO 535	g/m <sup>2</sup>	2	22	22
<b>Moisture Content</b>	ISO 287	%	1	5,5	5,5
<b>L&amp;W Stiffness MD (15°/10mm)</b>	ISO 2493	mN	>	100	150
<b>L&amp;W Stiffness CD (15°/10mm)</b>	ISO 2493	mN	>	50	75

THE FOLLOWING DATA REFERS TO BINDAKOTE COVER A.C. (moisture resistant for dry labelling)

	Method		+/-	80 g/m <sup>2</sup>	90 g/m <sup>2</sup>	100 g/m <sup>2</sup>	120 g/m <sup>2</sup>
<b>Basis weight</b>	ISO 536	g/m <sup>2</sup>	5%	80	90	100	120
<b>Caliper</b>	ISO 534	µm	5%	92	104	118	145
<b>Bulk</b>	ISO 534	cm <sup>3</sup> /g	-	1,1	1,2	1,2	1,2
<b>Gloss 20°</b>	ISO 2813	%	>	25	25	25	25
<b>ISO Brightness</b>	ISO 2470	%	2	83	83	83	83
<b>CIE Whiteness</b>	ISO 11475	%	7	90	90	90	90
<b>Cobb 120''</b>	ISO 535	g/m <sup>2</sup>	2	20	20	20	20
<b>Moisture Content</b>	ISO 287	%	1	5,5	5,5	5,5	5,5
<b>L&amp;W Stiffness MD (15°/10mm)</b>	ISO 2493	mN	>	100	150	210	390
<b>L&amp;W Stiffness CD (15°/10mm)</b>	ISO 2493	mN	>	50	75	105	185

THE FOLLOWING DATA REFERS TO BINDAKOTE COVER WHITE (1/side coated)

	Method		+/-	180 g/m <sup>2</sup>	215 g/m <sup>2</sup>	250 g/m <sup>2</sup>	275 g/m <sup>2</sup>	300 g/m <sup>2</sup>	350 g/m <sup>2</sup>
<b>Basis weight</b>	ISO 536	g/m <sup>2</sup>	5%	180	215	250	275	300	350
<b>Caliper</b>	ISO 534	µm	5%	220	270	315	355	387	450
<b>Bulk</b>	ISO 534	cm <sup>3</sup> /g	-	1,2	1,3	1,3	1,3	1,3	1,3
<b>Gloss 20°</b>	ISO 2813	%	>	45	45	45	45	45	45
<b>ISO Brightness</b>	ISO 2470	%	2	83	83	83	83	83	83
<b>CIE Whiteness</b>	ISO 11475	%	7	90	90	90	90	90	90
<b>Moisture Content</b>	ISO 287	%	1	5,5	5,5	5,5	5,5	5,5	5,5
<b>L&amp;W Stiffness MD (15°/50mm)</b>	ISO 2493	mN	>	50	90	140	180	240	400
<b>L&amp;W Stiffness CD (15°/50mm)</b>	ISO 2493	mN	>	25	45	70	90	120	200

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THE FOLLOWING DATA REFERS TO BINDAKOTE COVER BILUCIDO 2/side coated

	Method		+/-	250 g/m <sup>2</sup>	300 g/m <sup>2</sup>	350 g/m <sup>2</sup>
<b>Basis weight</b>	ISO 536	g/m <sup>2</sup>	5%	250	300	350
<b>Caliper</b>	ISO 534	µm	5%	255	315	365
<b>Bulk</b>	ISO 534	cm <sup>3</sup> /g	-	1,0	1,0	1,0
<b>Gloss 20°</b>	ISO 2813	%	>	45	45	45
<b>ISO Brightness</b>	ISO 2470	%	2	83	83	83
<b>CIE Whiteness</b>	ISO 11475	%	7	90	90	90
<b>Moisture Content</b>	ISO 287	%	1	5,5	5,5	5,5
<b>L&amp;W Stiffness MD (15°/50mm)</b>	ISO 2493	mN	>	120	220	350
<b>L&amp;W Stiffness CD (15°/50mm)</b>	ISO 2493	mN	>	60	110	175

THE FOLLOWING DATA REFERS TO BINDAKOTE ICE WHITE

	Method		+/-	250 g/m <sup>2</sup>	250 g/m <sup>2</sup> BILUCIDO	300 g/m <sup>2</sup>	350 g/m <sup>2</sup>
<b>Basis weight</b>	ISO 536	g/m <sup>2</sup>	5%	250	250	300	350
<b>Caliper</b>	ISO 534	µm	5%	315	255	387	450
<b>Bulk</b>	ISO 534	cm <sup>3</sup> /g	-	1,3	1	1,3	1,3
<b>Gloss 20°</b>	ISO 2813	%	>	45	45	45	45
<b>ISO Brightness</b>	ISO 2470	%	2	84	84	84	84
<b>CIE Whiteness</b>	ISO 11475	%	7	111	111	111	111
<b>Moisture Content</b>	ISO 287	%	1	5,5	5,5	5,5	5,5
<b>L&amp;W Stiffness MD (15°/50mm)</b>	ISO 2493	mN	>	140	120	240	400
<b>L&amp;W Stiffness CD (15°/50mm)</b>	ISO 2493	mN	>	70	60	120	200

THE FOLLOWING DATA REFERS TO BINDAKOTE ICE WHITE LABEL

	Method		+/-	80 g/m <sup>2</sup>
<b>Basis weight</b>	ISO 536	g/m <sup>2</sup>	5%	80
<b>Caliper</b>	ISO 534	µm	5%	92
<b>Bulk</b>	ISO 534	cm <sup>3</sup> /g	-	1,1
<b>Gloss 20°</b>	ISO 2813	%	>	25
<b>ISO Brightness</b>	ISO 2470	%	2	84
<b>CIE Whiteness</b>	ISO 11475	%	7	111
<b>WET Tensile Strength MD</b>	ISO 3781	KN/m	>	0,9
<b>Cobb 120"</b>	ISO 535	g/m <sup>2</sup>	2	22
<b>Moisture Content</b>	ISO 287	%	1	5,5
<b>L&amp;W Stiffness MD (15°/10mm)</b>	ISO 2493	mN	>	100
<b>L&amp;W Stiffness CD (15°/10mm)</b>	ISO 2493	mN	>	50

THE FOLLOWING DATA REFERS TO BINDAKOTE FOLDING BOARD

	Method		+/-	300 g/m <sup>2</sup>	325 g/m <sup>2</sup>	400 g/m <sup>2</sup>	480 g/m <sup>2</sup>
<b>Basis weight</b>	ISO 536	g/m <sup>2</sup>	5%	300	325	400	480
<b>Caliper</b>	ISO 534	µm	5%	387	429	450	550
<b>Bulk</b>	ISO 534	cm <sup>3</sup> /g	-	1,3	1,3	1,1	1,1
<b>Gloss 20°</b>	ISO 2813	%	>	45	45	45	45
<b>ISO Brightness</b>	ISO 2470	%	2	80	80	80	80
<b>CIE Whiteness</b>	ISO 11475	%	7	80	80	80	80
<b>Moisture Content</b>	ISO 287	%	1	5,5	5,5	5,5	5,5
<b>L&amp;W Stiffness MD (15°/50mm)</b>	ISO 2493	mN	>	240	320	500	750
<b>L&amp;W Stiffness CD (15°/50mm)</b>	ISO 2493	mN	>	120	160	250	375

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THE FOLLOWING DATA REFERS TO BINDAKOTE ICE WHITE RECYCLED 50%

	Method		+/-	280 g/m <sup>2</sup>	350 g/m <sup>2</sup>	450 g/m <sup>2</sup>
<b>Basis weight</b>	ISO 536	g/m <sup>2</sup>	5%	280	350	450
<b>Caliper</b>	ISO 534	µm	5%	300	385	495
<b>Bulk</b>	ISO 534	cm <sup>3</sup> /g	-	1,1	1,1	1,1
<b>Gloss 20°</b>	ISO 2813	%	>	45	45	45
<b>ISO Brightness</b>	ISO 2470	%	2	84	84	84
<b>CIE Whiteness</b>	ISO 11475	%	7	111	111	111
<b>Moisture Content</b>	ISO 287	%	1	5,5	5,5	5,5
<b>L&amp;W Stiffness MD (15°/50mm)</b>	ISO 2493	mN	>	140	230	480
<b>L&amp;W Stiffness CD (15°/50mm)</b>	ISO 2493	mN	>	40	115	240

THE FOLLOWING DATA REFERS TO BINDAKOTE COLOURS

	Method		+/-	250 g/m <sup>2</sup>
<b>Basis weight</b>	ISO 536	g/m <sup>2</sup>	5%	250
<b>Caliper</b>	ISO 534	µm	5%	293
<b>Bulk</b>	ISO 534	cm <sup>3</sup> /g	-	1,2
<b>Moisture Content</b>	ISO 287	%	1	5
<b>L&amp;W Stiffness MD (15°/50mm)</b>	ISO 2493	mN	>	140
<b>L&amp;W Stiffness CD (15°/50mm)</b>	ISO 2493	mN	>	70

THE FOLLOWING DATA REFERS TO BINDAKOTE BLUE ON BLACK

	Method		+/-	250 g/m <sup>2</sup>
<b>Basis weight</b>	ISO 536	g/m <sup>2</sup>	5%	250
<b>Caliper</b>	ISO 534	µm	5%	293
<b>Bulk</b>	ISO 534	cm <sup>3</sup> /g	-	1,2
<b>Moisture Content</b>	ISO 287	%	1	5
<b>L&amp;W Stiffness MD (15°/50mm)</b>	ISO 2493	mN	>	140
<b>L&amp;W Stiffness CD (15°/50mm)</b>	ISO 2493	mN	>	70

THE FOLLOWING DATA REFERS TO BINDAKOTE BLACK ON BLACK

	Method		+/-	115 g/m <sup>2</sup>	250 g/m <sup>2</sup>	350 g/m <sup>2</sup>
<b>Basis weight</b>	ISO 536	g/m <sup>2</sup>	5%	115	250	350
<b>Caliper</b>	ISO 534	µm	5%	120	293	420
<b>Bulk</b>	ISO 534	cm <sup>3</sup> /g	-	1,1	1,2	1,2
<b>Moisture Content</b>	ISO 287	%	1	5	5	5
<b>L&amp;W Stiffness MD (15°/50mm)</b>	ISO 2493	mN	>	210	140	400
<b>L&amp;W Stiffness CD (15°/50mm)</b>	ISO 2493	mN	>	105,0	70	200

Special makings are available upon request.



## BINDAKOTE

### Printing and finishing recommendations

**Printing job preparation:** Bindakote is produced to be dimensionally stable at 50 % U.R. 21-23 °C. Care should be taken to avoid extremes of humidity and temperature, in the print room. Keep in mill wrappers for as long as possible and protect from extremes of hot and cold.

**Offset Litho:** This is the most popular process for the printing of Bindakote. In addition to giving you excellent print quality, Bindakote runs cleanly on press. In our experience best results are obtained by using: minimum quantity of ink, minimum printing pressure, minimum dampening solution and transparent inks so that the gloss of the Bindakote surface is preserved. Dampening solution is advisable to keep the PH buffered and not to go below 5. It is recommended to use isopropyl alcohol in the standard quantity.

**Gravure and Flexography:** These methods of printing rely on surface smoothness, which is vital if good printing quality is to be achieved. Bindakote's ultra smooth surface will give you superb results. Flexography is especially popular for printing self-adhesive labels.

**Letterpress:** Used extensively for the printing self-adhesive constructions, the compressibility inherent in Bindakote makes it ideally suited to the letterpress process. Keep cylinder pressures light especially when printing the reverse side.

**Screen-printing:** Bindakote's polished surface offers an ideal platform for silkscreen printing.

**Digital printing:** Bindakote Cover 215 gsm and 250 gsm has been certified for hp indigo by RIT, USA. Extensive tests proved that Bindakote has excellent performance in dry toner printing machines.

**Inks:** Inks normally used for coated papers can also be used for Bindakote thanks to its microporous absorbant surface. Exceptions are bright, metallic and pearly colours, whose surfaces have lost their absorption properties due to the significant quantity of pigment used. In these cases the use of totally oxidizing inks such as those for plastic films or U.V. inks are recommended.

**Matt Inks:** these are inks, which by obstructing the passage of light inhibit the surface gloss thereby achieving special effects. They can be used in all circumstances.

**Metallic Inks:** These inks require certain precautions. These are inks that on Bindakote enhance gloss and coverage since the metallic pigments of which they consist are evenly spread on the smooth surface.

**U.V. Inks:** can be used on Bindakote without any problems. These inks have a photo sensitive polymer as their base which, when exposed to Ultra Violet rays polymerizes and dried quickly.

**Foil blocking:** The surface smoothness makes Bindakote very responsive to foil blocking and stamping.

**Thermography:** The heat generated during normal processing should have no adverse effects on Bindakote so it makes an excellent choice for this conversion method.

**Varnishing:** The glossy surface of Bindakote does not require varnishing. Varnishing is performed in all those cases where the surface needs to be protected in preparation for subsequent applications.

U.V. varnish should be selected with care so as to obtain the same performance both on the printed and unprinted areas. This is an increasingly popular varnishing system with Bindakote, the final gloss effect will be produced by the varnish.

**Film lamination:** You'll get good results with all plastic films: cellulose acetate, polypropylene, PVC etc. This process produces high quality results. Before laminating the main precaution is to eliminate any drying powder during the printing process.

**Gluing:** Bindakote doesn't need particular glues.

**Embossing:** The surface of Bindakote is flexible and extensible so go ahead and use the full range of embossing and die stamping techniques. The surface is resistant to cracking and dies varying depths can be used successfully.

**Note:** Due to its hygroscopic nature, paper can show curl issues if not conditioned properly. To avoid any issue, we recommend to store the paper closed in its original wrap inside the printing area for at least 24-48 hours. After this conditioning time, the wrapping can be open and the paper can be utilized.

## BINDAKOTE

### **Mill accreditations (Crusinallo VB-Italy)**

Corporate Quality Management Standard

Environmental Management Standard

Occupational Health and Safety Management Standard

Eco-Management and Audit Scheme CE 1221/2009

UNI EN ISO 9001

UNI EN ISO 14001

OHSAS 18001

EMAS