

Aqua-Kote®

Carrierboard

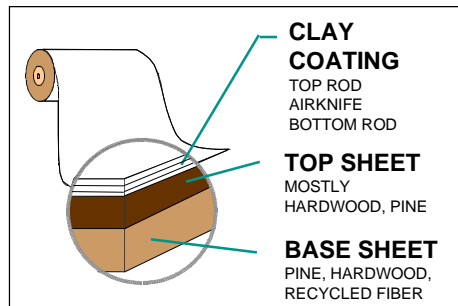
Product Profile - International

Description

A high wet-strength sheet used primarily for beverage packaging. Designed to provide package integrity in high humidity conditions in filling line production, distribution and usage.

Features

- ◆ Made from solid unbleached sulfate virgin kraft fiber, recycled pre-consumer and post-consumer fiber
- ◆ Wet strength
- ◆ Two plies
- ◆ Three layers of icy blue-white coating
- ◆ Naturally beautiful brown back
- ◆ High stiffness
- ◆ High resistance to tear, puncture and corner crush



Produced by Riverwood International

Advantages

- ◆ Superior tear resistance when wet
- ◆ Excellent dry tear resistance
- ◆ Beautiful graphic reproduction for eye-catching packages
- ◆ Time proven for multiple packaging in wet environments
- ◆ Performs well on high-speed multiple packaging lines
- ◆ Made from renewable and renewed resource and recycled fiber
- ◆ SUS[®] carrierboard technology developed by Riverwood International
 - ◆ First wet-strength paperboard grade
 - ◆ First paperboard machine designed specifically for carrierboard (1966)

Inspection Standards

The following defects are not allowed: scabs, holes, unmarked splices, wrinkles, calendar cuts, shaving/scrap in rolls

Slitting and Winding Requirements

- ◆ Roll widths are cut and sold to the nearest 1/8"
- ◆ Roll width tolerance is +/- 1/16"
- ◆ Roll diameter tolerance is +/- 1/2"
- ◆ Splices - No closer than 1" of diameter, max 2 per roll
- ◆ Telescoping - Not to exceed 1/2", measured from core to top of roll
- ◆ Cores - Not to extend more than 1/4" from either side of roll
- ◆ Edges - Clean cut (dust free)

Machine Trim

- ◆ #2 GA 183.5"
- ◆ #6 LA 16-23 pt 227.5"
24-28 pt 225.0"
- ◆ #7LA 234.0"

ISSUE DATE: 1.May.01

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Technical Specifications - International

Caliper (0.001 ")	TAPPI													
	T411	Nominal	.016	.018	.020	.021	.022	.023	.024	.025	.026	.027	.028	
Range			.015-.017	.017-.019	.019-.021	.020-.022	.021-.023	.022-.024	.023-.025	.024-.026	.025-.027	.026-.028	.027-.029	
Thickness (microns)		Nominal	406	455	510	535	560	585	610	635	660	685	710	
Basis Weight (g/m²)	T410	Nominal	345	360	380	400	420	440	455	475	490	515	530	
		Minimum	325	343	366	381	399	417	431	450	464	487	501	
Elmendorf Wet Tear (mN)	MD	T414	Nominal	3923	4413	4756	5099	5394	5639	5884	6178	6423	6718	6963
			Minimum	2452	2942	3481	3776	4070	4217	4413	4658	4854	5099	5247
	CD	Nominal	4168	4805	5296	5541	5737	5982	6178	6423	6619	6816	7012	
		Minimum	2697	3285	3874	4168	4413	4609	4805	5050	5247	5443	5639	
Elmendorf Dry Tear (mN)	MD	T414	Nominal	4217	4805	5296	5590	5884	6129	6423	6668	7061	7257	7502
			Minimum	2746	3236	3874	4462	4462	4707	4903	5148	5345	5590	5835
	CD	Nominal	4658	5247	5786	6080	6374	6668	6914	7208	7502	7747	8041	
		Minimum	2991	3677	4266	4560	4903	5099	5296	5541	5835	6031	6227	
Taber Stiffness (g_rcm)	MD	T489	Nominal	190	250	335	375	420	475	575	615	675	750	810
	CD	Nominal	90	130	165	180	195	215	240	255	275	300	345	
(mN)	MD	T489	Nominal	18.6	24.5	32.9	36.8	41.2	46.6	56.4	60.3	66.2	73.5	79.4
	CD	Nominal	8.8	12.7	16.2	17.7	19.1	21.1	23.5	25.0	27.0	29.4	33.8	
L&W Stiffness 15°* (mN)	CD	Nominal	386	507	680	761	852	964	1167	1248	1370	1522	1643	
	MD	Nominal	183	264	335	365	396	436	487	517	558	609	700	

Specs Common to All Calipers	Sheffield Smoothness		Brightness			Moisture	Bendsten*	
	Nominal	Range	GE	ISO*	Parker Print			Scott Ply Bond
	Nominal	140	81.2	80.2	2.0	65	7.0	196
	Range	MAXIMUM 225	MIN 80.2		MAXIMUM 3.0	MINIMUM 45	5.5-8.5	
	TAPPI	T538	T452	T525	T555	T833	T412	

***SPECIFY: Rotogravure, Flexographic or Lithographic Process When Ordering**

Stiffness measurements made using Taber at 15° (TAPPI T489). Minimum -15%

All physical measurements done at 23°C 50% relative humidity.

Specifications are for quality control measures of paperboard samples from mill reels.

Measurements taken after sheeting or other conversion processes may not match these specifications.

*Values are based on approximate conversion factors rather than actual test data.

Effective Date: 1.May.01

