

Green Number of ZEO[®] Box

Date: 5-24-2010

Customer: Pacific world wide(bags)

		Current	Alternative 1	Alternative 2
Description		<ul style="list-style-type: none"> ● Double Wall (5 layers), AB flute ● Normal Box 	<ul style="list-style-type: none"> ● Double Wall (5 layers), AB flute ● ZEO[®] Box with ZEO glue on flute tip 	<ul style="list-style-type: none"> ● Single Wall (3 layers), A flute ● " ZEO[®] glue+ Adalis Tape ● Chlorine Free paper and Chlorine Free glue
Dimension	Length (cm)	44.5	44.5	44.5
	Breadth (cm)	42.5	42.5	42.5
	Height (cm)	34.0	34.0	34.0
Paper weight (g/m2)	Outer liner	140	120	150
	Corrugated medium (B flute)	110	90	
	Medium liner	65	65	
	Corrugated medium (A flute)	110	110	150
	Inner liner	140	120	150
Total paper weight of 1 m2 cardboard (kg/m2)		0.660	0.593	0.531
Cost per m2 in RMB		4.70	3.85	3.70
Area for box weight calculation		1.3	1.3	1.3
Total Weight per box (kg/box)		0.85748	0.77116	0.6903
Cardboard Surface Area for box cost calculation		1.403	1.403	1.403
Cost Per Box (RMB/BOX)		6.60	5.40	5.46
Cost Saving per 100,000 boxes (RMB)		-	119274	113352
Paper saved per box (kg/box)		-	0.08632	0.16718
Paper saving rate (%)		-	10.0667071	19.49666465
Trees saved for boxes of: <u>100,000</u>		-	<u>147</u>	<u>284</u>
CO2 emissions per year based on WMT scorecards (ton)		106.83	94.69	94.73
CO2 reduced (ton)		-	12.14	12.10



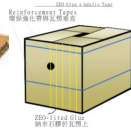
Double Wall



Double Wall



Single Wall



Note 1: 1 ton paper saved is equal to 17 mature trees saved. 1 mature tree removes 11 kg CO2/year from the air.

Note 2: Chlorine and its related compounds being reduced and removed via Alternative 2. Chlorine is believed to be released into waterways as effluent from the bleaching process. Significant Chlorine can be removed from the manufacturing process of Alternative 2. Toxic by-products are significantly reduced with high social responsibility recognition and rewards.

Noted 3: Price is based on sample cardboard and including freight cost for distance within 50km from carton supplier to factory.