Product: FLEXcon DRUMcal[™] 51932 to BS 5609 SECTION TWO FOR FLEXCON

CONCLUSIONS: Flexcon label base materials reference 'Drumcal 51932' meets the requirements of BS 5609 Section Two Part 4.1 'Marine Exposure'

TEST METHOD – Section Two, Part 4.1 – Marine Performance Test					
Marine Exposure	Marine Exposure Adhesion Specification		RESULTS		
13 weeks exposure on	180° peel adhesion at	80% of readings not less	Readings not Less Than		
south facing aluminum	300mm/minute according	than 10 N/25mm	10 N/25mm (36.3 oz/in)		
panel at Adhesive	to BS 5609 Appendix D.		PASS		
Technical Services' half	Average adhesion and				
tide site, on the Essex	percentages of readings		100%		
coast. Tests carried out	above specification				
according to BS 5609	recorded.				
Appendix A1, to panels			Mean Adhesion		
prepared according to					
Appendix B.					
			Approximately 15 N/25mm		
			reproximatory 15 W25mm		

Product: FLEXcon DRUMcal[™] 21046TL LABEL BASE MATERIAL

2.0 mil print receptive white polyester with an aggressive high performance permanent acrylic adhesive on a 60 lb. two side polycoated layflat release liner. Thermal transfer and laser printable.

BS 5609 Section Two (February 11, 1998)

CONCLUSIONS: FLEXcon DRUMcal[™] 21046TL label base material meets the requirements of BS 5609 Section Two. Pressure-Sensitive, Adhesive Coated Label Base Material.

TEST METHOD – Section Two, Part 4.1 – Marine Performance Test					
Marine Exposure	Adhesion	Specification	RESULTS		
14 weeks exposure on	180° peel adhesion at 300	80% of readings not less	Readings not Less Than		
south facing aluminum	mm/minute (11.8	than 10 N/25mm (36.3	10 N/25mm (36.3 oz/in)		
panel at Adhesive	in/minute) according to BS	oz/in)	PASS		
Technical Services' half	5609 Appendix D.				
tide site, on the Essex	Average adhesion and		100%		
coast. Tests carried out	percentage of readings				
according to BS 5609	above specification				
Appendix C. Labels	recorded.		Mean Adhesion		
applied according to BS					
5609 Appendix A1, to					
panels prepared according			13.8 N/25mm (50.1 oz/in)		
to Appendix B.			13.0 10 25 mil (50.1 02/m)		

TEST METHOD – Section Two, Part 4.2.1 – Dimensional Stability Weathering Measurement Specification RESULTS Tests carried out on Samples measured in both Dimensions shall not alter Maximum Increase in samples exposed for 14 directions before and after by more than +1% or -3%Dimension weeks at marine half tide weathering. Samples PASS site for Part 4.1. conditioned for 48 hours at 0.1% 23°C (73.4°F) and 50+/-% Maximum Decrease in relative humidity prior to Dimension measuring. Maximum PASS increase and decrease in dimensions and average 0.0% change recorded. Average Change in Dimensions +0.01%

FLEXcon DRUMcal[™] 21046TL LABEL BASE MATERIAL **Product:**

TEST METHOD – Section Two, Part 4.2.2 – Adhesion After 48 Hours					
Application	Measurement	Specification	RESULTS		
Labels applied to aluminum test plates prepared according to Appendix B, using a 2 kg	180° peel adhesion at 300 mm/minute (11.8 in/minute) in accordance with Appendix D. Average	80% of readings not less than 12.5 N/25mm (45.4 oz/in)	Readings not Less Than 12 N/25mm (45.4 oz/in) PASS		
(4.4 lb) rubber coated roller according to	adhesion and percentage of readings above specification		100%		
Appendix A3.	recorded.		Mean Adhesion		
			20.8 N/25mm (75.5 oz/in)		

BS 5609 Section Two - continued

TEST METHOD – Section Two, Part 4.2.3 – Adhesion After Artificial Weathering				
Application	Weathering	Measurement	Specification	RESULTS
Labels applied to	Samples exposed to	180° peel adhesion at	80% of readings	Readings not Less Than
aluminum test	laboratory artificial	300 mm/minute (11.8	not less than 12.5	12 N/25mm (45.4 oz/in)
plates prepared	weathering in	in/minute) in	N/25mm (45.4	PASS
according to	accordance with	accordance with	oz/in)	
Appendix B, using	Appendix E.	Appendix D.		100%
a 2 kg (4.4 lb)		Average adhesion and		
rubber coated		percentage of readings		
roller according to		above specification		Mean Adhesion
Appendix A3.		recorded.		14.2 N/25mm
				(51.5 oz/in)

TEST METHOD – Section Two, Part 4.2.4 – Adhesion After Temperature Cycling					
Application	Temperature Cycling	Measurement	Specification	RESULTS	
Labels applied to	Samples submitted to	180° peel adhesion at	80% of readings	Readings not Less Than	
aluminum test	temperature cycling in	300 mm/minute (11.8	not less than 12.5	12 N/25mm (45.4 oz/in)	
plates prepared	accordance with	in/minute) in	N/25mm (45.4	PASS	
according to	Appendix F.	accordance with	oz/in)		
Appendix B, using		Appendix D.		100%	
a 2 kg (4.4 lb)		Average adhesion and			
rubber coated		percentage of readings			
roller according to		above specification		Mean Adhesion	
Appendix A3.		recorded.		17.9 N/25mm (65.0 oz/in)	

Product:FLEXcon DRUMcalTM 21046TL LABEL BASE MATERIAL
BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.5 – Color Fastness of Base Material					
Weathering	Color Fastness	Hue	Specification	RESULTS	
Tests carried out on	Grey scale	Visual Assessment	Color fastness rating	Color Fastness	
samples exposed	measurements		not less than 2	PASS	
for 14 weeks at	according to		compared with		
marine half tide site	Appendix G.		unweathered	3 1/2	
for Part 4.1.			specimen. Color to		
			remain recognizable	Hue	
			as original hue.	PASS	
				Remained recognizable as original hue.	

Product:FLEXcon DRUMcal[™] 21246TI LABEL BASE MATERIAL
2.0 mil matte topcoated white polyester with an aggressive high performance
permanent acrylic adhesive on a 60 lb. two side polycoated layflat release liner.
Thermal transfer and dot matrix/impact printable.

BS 5609 Section Two (February 11, 1998)

CONCLUSIONS: FLEXcon DRUMcal[™] 21246TI label base material meets the requirements of BS 5609 Section Two. Pressure-Sensitive, Adhesive Coated Label Base Material.

TEST METHOD – Section	TEST METHOD – Section Two, Part 4.1 – Marine Performance Test					
Marine Exposure	Adhesion	Specification	RESULTS			
14 weeks exposure on	180° peel adhesion at 300	80% of readings not less	Readings not Less Than			
south facing aluminum	mm/minute (11.8 in/minute)	than 10 N/25mm (36.3 oz/in)	10 N/25mm (36.3 oz/in)			
panel at Adhesive	according to BS 5609		PASS			
Technical Services' half	Appendix D. Average					
tide site, on the Essex	adhesion and percentage of		100%			
coast. Tests carried out	readings above specification					
according to BS 5609	recorded.					
Appendix C. Labels			Mean Adhesion			
applied according to BS						
5609 Appendix A1, to						
panels prepared according			15.2 N/25mm			
to Appendix B.			(55.2 oz/in)			

TEST METHOD – Section Two, Part 4.2.1 – Dimensional Stability					
Weathering	Measurement	Specification	RESULTS		
Tests carried out on samples exposed for 14 weeks at marine half tide site for Part 4.1.	Samples measured in both directions before and after weathering. Samples conditioned for 48 hours at	Dimensions shall not alter by more than +1% or -3%	Maximum Increase in Dimension PASS 0.0%		
	23°C (73.4°F) and 50+/-% relative humidity prior to measuring. Maximum increase and decrease in		Maximum Decrease in Dimension PASS		
	dimensions and average change recorded.		0.0%		
			Average Change in Dimensions		
			0.0%		

Product: FLEXcon DRUMcal[™] 21246TI LABEL BASE MATERIAL

BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.2 – Adhesion After 48 Hours					
Application	Measurement	Measurement Specification			
Labels applied to	180° peel adhesion at 300	80% of readings not less	Readings not Less Than		
aluminum test plates	mm/minute (11.8 in/minute) in	than 12.5 N/25mm (45.4	12.5 N/25mm (45.4 oz/in)		
prepared according to	accordance with Appendix D.	oz/in)	PASS		
Appendix B, using a 2 kg (4.4 lb) rubber coated roller according	Average adhesion and percentage of readings above specification recorded.		100%		
to Appendix A3.			Mean Adhesion		
			15.2 N/25mm (55.2 oz/in)		

TEST METHOD – Section Two, Part 4.2.3 – Adhesion After Artificial Weathering				
Application	Weathering	Measurement	Specification	RESULTS
Labels applied to	Samples exposed to	180° peel adhesion	80% of readings	Readings not Less Than
aluminum test	laboratory artificial	at 300 mm/minute	not less than	12.5 N/25mm (45.4 oz/in)
plates prepared	weathering in	(11.8 in/minute) in	12.5 N/25mm	PASS
according to	accordance with	accordance with	(45.4 oz/in)	
Appendix B, using	Appendix E.	Appendix D.		100%
a 2 kg (4.4 lb)		Average adhesion		
rubber coated		and percentage of		
roller according to		readings above		Mean Adhesion
Appendix A3.		specification		17.3 N/25mm
		recorded.		(62.8 oz/in)

TEST METHOD –	TEST METHOD – Section Two, Part 4.2.4 – Adhesion After Temperature Cycling					
Application	Temperature	Measurement	Specification	RESULTS		
	Cycling					
Labels applied to	Samples submitted	180° peel adhesion	80% of readings	Readings not Less Than		
aluminum test	to temperature	at 300 mm/minute	not less than	12.5 N/25mm (45.4 oz/in)		
plates prepared	cycling in	(11.8 in/minute) in	12.5 N/25mm	PASS		
according to	accordance with	accordance with	(45.4 oz/in)			
Appendix B, using	Appendix F.	Appendix D.		100%		
a 2 kg (4.4 lb)		Average adhesion				
rubber coated		and percentage of				
roller according to		readings above		Mean Adhesion		
Appendix A3.		specification				
		recorded.		18.2 N/25mm		
				(66.1 oz/in)		

Product:**FLEXcon DRUMcal**TM 21246TI LABEL BASE MATERIAL
BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.5 – Color Fastness of Base Material					
Weathering	Color Fastness	Hue	Specification	RESULTS	
Tests carried out on	Grey scale	Visual Assessment	80% of readings not	Color Fastness	
samples exposed	measurements		less than	PASS	
for 14 weeks at	according to		12.5 N/25mm (45.4		
marine half tide site	Appendix G.		oz/in)	3 1/2	
for Part 4.1.					
				Hue	
				PASS	
				Remained recognizable as original hue.	

Product:FLEXcon DRUMcal[™] PM-200-White V-344DL LABEL BASE MATERIAL
2.0 mil print receptive white polyester with an aggressive high performance permanent acrylic
adhesive. Thermal transfer and laser printable.

BS 5609 Section Two (February 11, 1998)

CONCLUSIONS: FLEXcon DRUMcal[™] PM-200-White V-344DL label base material meets the requirements of BS 5609 Section Two. Pressure-Sensitive, Adhesive Coated Label Base Material.

TEST METHOD – Section	TEST METHOD – Section Two, Part 4.1 – Marine Performance Test					
Marine Exposure	Adhesion	Specification	RESULTS			
14 weeks exposure on south facing aluminum panel at Adhesive	180° peel adhesion at 300 mm/minute (11.8 in/minute) according to BS 5609	80% of readings not less than 10 N/25mm (36.3 oz/in)	Readings not Less Than 10 N/25mm (36.3 oz/in) PASS			
Technical Services' half tide site, on the Essex coast. Tests carried out	Appendix D. Average adhesion and percentage of readings above specification		100%			
according to BS 5609 Appendix C. Labels applied according to BS	recorded.		Mean Adhesion			
5609 Appendix A1, to panels prepared according to Appendix B.			13.8 N/25mm (50.1 oz/in)			

TEST METHOD – Section Two, Part 4.2.1 – Dimensional Stability					
Weathering	Measurement	Specification	RESULTS		
Tests carried out on samples exposed for 14 weeks at marine half tide	Samples measured in both directions before and after weathering. Samples	Dimensions shall not alter by more than +1% or -3%	Maximum Increase in Dimension PASS		
site for Part 4.1.	conditioned for 48 hours at $23^{\circ}C$ (73.4°F) and 50+/-%		0.1%		
	relative humidity prior to measuring. Maximum increase and decrease in		Maximum Decrease in Dimension PASS		
	dimensions and average change recorded.		0.0%		
			Average Change in Dimensions		
			+0.01%		

Product: FLEXcon DRUMcal[™] PM-200-White V-344DL LABEL BASE MATERIAL

BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.2 – Adhesion After 48 Hours					
Application	Measurement	Specification	RESULTS		
Labels applied to	180° peel adhesion at 300	80% of readings not less	Readings not Less Than		
aluminum test plates	mm/minute (11.8 in/minute) in	than 12.5 N/25mm (45.4	12.5 N/25mm (45.4 oz/in)		
prepared according to	accordance with Appendix D.	oz/in)	PASS		
Appendix B, using a 2 kg (4.4 lb) rubber coated roller according	Average adhesion and percentage of readings above specification recorded.		100%		
to Appendix A3.			Mean Adhesion		
			20.8 N/25mm (75.0 oz/in)		

TEST METHOD – Section Two, Part 4.2.3 – Adhesion After Artificial Weathering				
Application	Weathering	Measurement	Specification	RESULTS
Labels applied to	Samples exposed to	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	laboratory artificial	300 mm/minute (11.8	less than	12.5 N/25mm
plates prepared	weathering in	in/minute) in	12.5 N/25mm (45.4	(45.4 oz/in) <i>PASS</i>
according to	accordance with	accordance with	oz/in)	
Appendix B, using	Appendix E.	Appendix D.		100%
a 2 kg (4.4 lb)		Average adhesion and		
rubber coated		percentage of readings		Mean Adhesion
roller according to		above specification		Mean Aunesion
Appendix A3.		recorded.		14.2 N/25mm
				(51.5 oz/in)

TEST METHOD -	TEST METHOD – Section Two, Part 4.2.4 – Adhesion After Temperature Cycling				
Application	Temperature	Measurement	Specification	RESULTS	
	Cycling				
Labels applied to	Samples submitted	180° peel adhesion at	80% of readings not	Readings not Less Than	
aluminum test	to temperature	300 mm/minute (11.8	less than 12.5	12.5 N/25mm	
plates prepared	cycling in	in/minute) in	N/25mm (45.4	(45.4 oz/in)	
according to	accordance with	accordance with	oz/in)	PASS	
Appendix B, using a 2 kg (4.4 lb) rubber coated	Appendix F.	Appendix D. Average adhesion and percentage of readings		100%	
roller according to Appendix A3.		above specification recorded.		Mean Adhesion	
				17.9 N/25mm (65.0 oz/in)	

Product: FLEXcon DRUMcal[™] PM-200-White V-344DL LABEL BASE MATERIAL BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.5 – Color Fastness of Base Material					
Weathering	Color Fastness	Hue	Specification	RESULTS	
Tests carried out on samples exposed for 14 weeks at marine half tide site for Part 4.1.	Grey scale measurements according to Appendix G.	Visual Assessment	Color fastness rating not less than 2 compared with unweathered specimen. Color to remain recognizable as original hue.	Color Fastness PASS 3 ¹ / ₂ Hue PASS Remained recognizable as original hue.	

Product: FLEXcon DRUMcal[™] PM-200-White MT/C-352 V-344DL LABEL BASE MATERIAL 2.0 mil matte topcoated white polyester with an aggressive high performance permanent acrylic adhesive. Thermal transfer printable.

BS 5609 Section Two (February 11, 1998)

CONCLUSIONS: FLEXcon DRUMcal[™] PM-200-White MT/C-352 V-344DL label base material meets the requirements of BS 5609 Section Two. Pressure-Sensitive, Adhesive Coated Label Base Material.

TEST METHOD – Section	TEST METHOD – Section Two, Part 4.1 – Marine Performance Test					
Marine Exposure	Adhesion	Specification	RESULTS			
14 weeks exposure on south facing aluminum	180° peel adhesion at 300 mm/minute (11.8 in/minute)	80% of readings not less than 10 N/25mm (36.3	Readings not Less Than 10 N/25mm (36.3 oz/in)			
panel at Adhesive Technical Services' half tide site, on the Essex coast. Tests carried out	according to BS 5609 Appendix D. Average adhesion and percentage of readings above specification	oz/in)	PASS 100%			
according to BS 5609 Appendix C. Labels applied according to BS	recorded.		Mean Adhesion			
5609 Appendix A1, to panels prepared according to Appendix B.			15.2 N/25mm (55.2 oz/in)			

TEST METHOD – Section	TEST METHOD – Section Two, Part 4.2.1 – Dimensional Stability					
Weathering	Measurement	Specification	RESULTS			
Tests carried out on samples exposed for 14 weeks at marine half tide	Samples measured in both directions before and after weathering. Samples	Dimensions shall not alter by more than +1% or -3%	Maximum Increase in Dimension PASS			
site for Part 4.1.	conditioned for 48 hours at $23^{\circ}C$ (73.4°F) and 50+/-%		0.0%			
	relative humidity prior to measuring. Maximum increase and decrease in		Maximum Decrease in Dimension PASS			
	dimensions and average change recorded.		0.0%			
			Average Change in Dimensions			
			0.0%			

Product: FLEX con DRUM cal[™] PM-200-White MT/C-352 V-344DL LABEL BASE MATERIAL BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.2 – Adhesion After 48 Hours					
Application	Measurement	Specification	RESULTS		
Labels applied to aluminum test plates	180° peel adhesion at 300 mm/minute (11.8 in/minute) in	80% of readings not less than 12.5 N/25mm (45.4	Readings not Less Than 12.5 N/25mm (45.4 oz/in)		
prepared according to	accordance with Appendix D.	oz/in)	PASS		
Appendix B, using a 2 kg (4.4 lb) rubber coated roller according	Average adhesion and percentage of readings above specification recorded.		100%		
to Appendix A3.			Mean Adhesion		
			15.2 N/25mm (55.2 oz/in)		

TEST METHOD – Section Two, Part 4.2.3 – Adhesion After Artificial Weathering				
Application	Weathering	Measurement	Specification	RESULTS
Labels applied to	Samples exposed to	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	laboratory artificial	300 mm/minute (11.8	less than	12.5 N/25mm
plates prepared	weathering in	in/minute) in	12.5 N/25mm (45.4	(45.4 oz/in) <i>PASS</i>
according to	accordance with	accordance with	oz/in)	
Appendix B, using	Appendix E.	Appendix D.		100%
a 2 kg (4.4 lb)		Average adhesion and		
rubber coated		percentage of readings		Mean Adhesion
roller according to		above specification		Mean Aunesion
Appendix A3.		recorded.		17.3 N/25mm
				(62.8 oz/in)

TEST METHOD -	TEST METHOD – Section Two, Part 4.2.4 – Adhesion After Temperature Cycling				
Application	Temperature	Measurement	Specification	RESULTS	
	Cycling				
Labels applied to	Samples submitted	180° peel adhesion at	80% of readings not	Readings not Less Than	
aluminum test	to temperature	300 mm/minute (11.8	less than 12.5	12.5 N/25mm	
plates prepared	cycling in	in/minute) in	N/25mm (45.4	(45.4 oz/in)	
according to	accordance with	accordance with	oz/in)	PASS	
Appendix B, using a 2 kg (4.4 lb) rubber coated	Appendix F.	Appendix D. Average adhesion and percentage of readings		100%	
roller according to Appendix A3.		above specification recorded.		Mean Adhesion	
				18.2 N/25mm (66.1 oz/in)	

Product: FLEXcon DRUMcal[™] PM-200-White MT/C-352 V-344DL LABEL BASE MATERIAL BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.5 – Color Fastness of Base Material					
Weathering	Color Fastness	Hue	Specification	RESULTS	
Tests carried out on samples exposed for 14 weeks at marine half tide site for Part 4.1.	Grey scale measurements according to Appendix G.	Visual Assessment	Color fastness rating not less than 2 compared with unweathered specimen. Color to remain recognizable as original hue.	Color Fastness PASS 3 ¹ / ₂ Hue PASS Remained recognizable as original hue.	

Product: FLEXcon DRUMcal[™] 41046L LABEL BASE MATERIAL

3.5 mil flexible white vinyl with an aggressive high performance permanent acrylic adhesive on a 60 lb. two side polycoated layflat release liner. Requires press-applied varnish for laser printability.

BS 5609 Section Two (February 11, 1998)

CONCLUSIONS: FLEXcon DRUMcal[™] 41046L label base material meets the requirements of BS 5609 Section Two. Pressure-Sensitive, Adhesive Coated Label Base Material.

TEST METHOD – Section Two, Part 4.1 – Marine Performance Test					
Marine Exposure	Adhesion	Specification	RESULTS		
14 weeks exposure on	180° peel adhesion at 300	80% of readings not less	Readings not Less Than		
south facing aluminum	mm/minute (11.8 in/minute)	than 10 N/25mm (36.3	10 N/25mm (36.3 oz/in)		
panel at Adhesive	according to BS 5609	oz/in)	PASS		
Technical Services' half	Appendix D. Average				
tide site, on the Essex	adhesion and percentage of		100%		
coast. Tests carried out	readings above specification				
according to BS 5609	recorded.				
Appendix C. Labels			Mean Adhesion		
applied according to BS					
5609 Appendix A1, to					
panels prepared according			23.4 N/25mm		
to Appendix B.			(84.9 oz/in)		

TEST METHOD – Section Two, Part 4.2.1 – Dimensional Stability				
Weathering	Measurement	Specification	RESULTS	
Tests carried out on samples exposed for 14 weeks at marine half tide	Samples measured in both directions before and after weathering. Samples	Dimensions shall not alter by more than +1% or -3%	Maximum Increase in Dimension PASS	
site for Part 4.1.	conditioned for 48 hours at $23^{\circ}C$ (73.4°F) and 50+/-%		+0.2%	
	relative humidity prior to measuring. Maximum increase and decrease in		Maximum Decrease in Dimension PASS	
	dimensions and average change recorded.		0.0%	
			Average Change in Dimensions	
			+0.02%	

FLEXcon DRUMcal[™] 41046L LABEL BASE MATERIAL BS 5609 Section Two – continued **Product:**

TEST METHOD – Section Two, Part 4.2.2 – Adhesion After 48 Hours					
Application	Measurement	Specification	RESULTS		
Labels applied to	180° peel adhesion at 300	80% of readings not less	Readings not Less Than		
aluminum test plates	mm/minute (11.8 in/minute) in	than 12.5 N/25mm (45.4	12.5 N/25mm (45.4 oz/in)		
prepared according to	accordance with Appendix D.	oz/in)	PASS		
Appendix B, using a 2 kg (4.4 lb) rubber coated roller according	Average adhesion and percentage of readings above specification recorded.		100%		
to Appendix A3.			Mean Adhesion		
			28.6 N/25mm (103.8 oz/in)		

TEST METHOD – Section Two, Part 4.2.3 – Adhesion After Artificial Weathering				
Application	Weathering	Measurement	Specification	RESULTS
Labels applied to	Samples exposed to	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	laboratory artificial	300 mm/minute (11.8	less than	12.5 N/25mm
plates prepared	weathering in	in/minute) in	12.5 N/25mm (45.4	(45.4 oz/in) <i>PASS</i>
according to	accordance with	accordance with	oz/in)	
Appendix B, using	Appendix E.	Appendix D.		100%
a 2 kg (4.4 lb)		Average adhesion and		
rubber coated		percentage of readings		Mean Adhesion
roller according to		above specification		
Appendix A3.		recorded.		27.2 N/25mm
				(98.7 oz/in)

TEST METHOD – Section Two, Part 4.2.4 – Adhesion After Temperature Cycling				
Application	Temperature	Measurement	Specification	RESULTS
	Cycling			
Labels applied to	Samples submitted	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	to temperature	300 mm/minute (11.8	less than 12.5	12.5 N/25mm
plates prepared	cycling in	in/minute) in	N/25mm (45.4	(45.4 oz/in)
according to	accordance with	accordance with	oz/in)	PASS
Appendix B, using	Appendix F.	Appendix D.		
a 2 kg (4.4 lb)		Average adhesion and		100%
rubber coated		percentage of readings		
roller according to		above specification		Mean Adhesion
Appendix A3.		recorded.		Mean Aunesion
				27.1 N/25mm
				(98.4 oz/in)

Product: FLEXcon DRUMcal[™] 41046L LABEL BASE MATERIAL

BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.5 – Color Fastness of Base Material					
Weathering	Color Fastness	Hue	Specification	RESULTS	
Tests carried out on samples exposed for 14 weeks at marine half tide site for Part 4.1.	Grey scale measurements according to Appendix G.	Visual Assessment	Color fastness rating not less than 2 compared with unweathered specimen. Color to remain recognizable as original hue.	Color Fastness PASS 4 ¹ / ₂ Hue PASS Remained recognizable as original hue.	

Product: FLEXcon DRUMcal[™] 41146T LABEL BASE MATERIAL

3.25 mil thermal transfer printable topcoated flexible white vinyl with an aggressive high performance permanent acrylic adhesive on a 60 lb. two side polycoated layflat release liner. Thermal transfer printable.

BS 5609 Section Two (February 11, 1998)

CONCLUSIONS: FLEXcon DRUMcal[™] 41146T label base material meets the requirements of BS 5609 Section Two. Pressure-Sensitive, Adhesive Coated Label Base Material.

TEST METHOD – Section Two, Part 4.1 – Marine Performance Test					
Marine Exposure	Adhesion	Adhesion Specification			
14 weeks exposure on	180° peel adhesion at 300	80% of readings not less	Readings not Less Than		
south facing aluminum	mm/minute (11.8 in/minute)	than 10 N/25mm (36.3	10 N/25mm (36.3 oz/in)		
panel at Adhesive	according to BS 5609	oz/in)	PASS		
Technical Services' half	Appendix D. Average				
tide site, on the Essex	adhesion and percentage of		100%		
coast. Tests carried out	readings above specification				
according to BS 5609	recorded.				
Appendix C. Labels			Mean Adhesion		
applied according to BS					
5609 Appendix A1, to					
panels prepared according			27.0 N/25mm		
to Appendix B.			(98.0 oz/in)		

TEST METHOD – Section Two, Part 4.2.1 – Dimensional Stability				
Weathering	Measurement	Specification	RESULTS	
Tests carried out on samples exposed for 14 weeks at marine half tide	Samples measured in both directions before and after weathering. Samples	Dimensions shall not alter by more than +1% or -3%	Maximum Increase in Dimension PASS	
site for Part 4.1.	conditioned for 48 hours at 23° C (73.4°F) and 50+/-%		0.0%	
	relative humidity prior to measuring. Maximum increase and decrease in		Maximum Decrease in Dimension PASS	
	dimensions and average change recorded.		-0.5%	
			Average Change in Dimensions	
			-0.18%	

FLEXcon DRUMcal[™] 41146T LABEL BASE MATERIAL BS 5609 Section Two – continued **Product:**

TEST METHOD – Section Two, Part 4.2.2 – Adhesion After 48 Hours					
Application	Measurement	Measurement Specification			
Labels applied to aluminum test plates	180° peel adhesion at 300 mm/minute (11.8 in/minute) in	80% of readings not less than 12.5 N/25mm (45.4	Readings not Less Than 12.5 N/25mm (45.4 oz/in)		
prepared according to	accordance with Appendix D.	oz/in)	PASS		
Appendix B, using a 2 kg (4.4 lb) rubber coated roller according	Average adhesion and percentage of readings above specification recorded.		100%		
to Appendix A3.			Mean Adhesion		
			23.2 N/25mm (84.2 oz/in)		

TEST METHOD – Section Two, Part 4.2.3 – Adhesion After Artificial Weathering				
Application	Weathering	Measurement	Specification	RESULTS
Labels applied to	Samples exposed to	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	laboratory artificial	300 mm/minute (11.8	less than	12.5 N/25mm
plates prepared	weathering in	in/minute) in	12.5 N/25mm (45.4	(45.4 oz/in) <i>PASS</i>
according to	accordance with	accordance with	oz/in)	
Appendix B, using	Appendix E.	Appendix D.		100%
a 2 kg (4.4 lb)		Average adhesion and		
rubber coated		percentage of readings		Mean Adhesion
roller according to		above specification		Mean Aunesion
Appendix A3.		recorded.		24.4 N/25mm
				(88.6 oz/in)

TEST METHOD – Section Two, Part 4.2.4 – Adhesion After Temperature Cycling				
Application	Temperature	Measurement	Specification	RESULTS
	Cycling			
Labels applied to	Samples submitted	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	to temperature	300 mm/minute (11.8	less than 12.5	12.5 N/25mm
plates prepared	cycling in	in/minute) in	N/25mm (45.4	(45.4 oz/in)
according to	accordance with	accordance with	oz/in)	PASS
Appendix B, using	Appendix F.	Appendix D.		
a 2 kg (4.4 lb)		Average adhesion and		100%
rubber coated		percentage of readings		
roller according to		above specification		Mean Adhesion
Appendix A3.		recorded.		Wican Autosion
				26.1 N/25mm
				(94.7 oz/in)
				()+./ 02/11)

Product: FLEX con DRUM calTM **41146T LABEL BASE MATERIAL** BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.5 – Color Fastness of Base Material RESULTS Weathering **Color Fastness** Hue **Specification** Tests carried out on Grey scale Visual Assessment Color fastness rating **Color Fastness** samples exposed measurements not less than 2 PASS according to for 14 weeks at compared with $4\frac{1}{2}$ marine half tide site Appendix G. unweathered Hue for Part 4.1. specimen. Color to PASS remain recognizable as original hue. Remained recognizable as original hue.

Product: FLEX con DRUM calTM **41446LI LABEL BASE MATERIAL**

3.5 mil matte topcoated flexible white vinyl with an aggressive high performance permanent acrylic adhesive on a 60 lb. two side polycoated layflat release liner. Laser and dot matrix/impact printable.

BS 5609 Section Two (February 11, 1998)

CONCLUSIONS: FLEXcon DRUMcal[™] 41446LI label base material meets the requirements of BS 5609 Section Two. Pressure-Sensitive, Adhesive Coated Label Base Material.

TEST METHOD – Section Two, Part 4.1 – Marine Performance Test					
Marine Exposure	Adhesion	Specification	RESULTS		
14 weeks exposure on	180° peel adhesion at 300	80% of readings not less	Readings not Less Than		
south facing aluminum	mm/minute (11.8 in/minute)	than 10 N/25mm (36.3	10 N/25mm (36.3 oz/in)		
panel at Adhesive	according to BS 5609	oz/in)	PASS		
Technical Services' half	Appendix D. Average				
tide site, on the Essex	adhesion and percentage of		100%		
coast. Tests carried out	readings above specification				
according to BS 5609	recorded.				
Appendix C. Labels			Mean Adhesion		
applied according to BS					
5609 Appendix A1, to					
panels prepared according			24.4 N/25mm		
to Appendix B.			(88.6 oz/in)		

TEST METHOD – Section	TEST METHOD – Section Two, Part 4.2.1 – Dimensional Stability				
Weathering	Measurement	Specification	RESULTS		
Tests carried out on samples exposed for 14 weeks at marine half tide	Samples measured in both directions before and after weathering. Samples	Dimensions shall not alter by more than +1% or -3%	Maximum Increase in Dimension PASS		
site for Part 4.1.	conditioned for 48 hours at 23° C (73.4°F) and 50+/-%		0.0%		
	relative humidity prior to measuring. Maximum increase and decrease in		Maximum Decrease in Dimension PASS		
	dimensions and average change recorded.		0.0%		
			Average Change in Dimensions		
			0.0%		

FLEXcon DRUMcal[™] 41446LI LABEL BASE MATERIAL BS 5609 Section Two – continued **Product:**

TEST METHOD – Section Two, Part 4.2.2 – Adhesion After 48 Hours					
Application	Measurement	Specification	RESULTS		
Labels applied to	180° peel adhesion at 300	80% of readings not less	Readings not Less Than		
aluminum test plates	mm/minute (11.8 in/minute) in	than 12.5 N/25mm (45.4	12.5 N/25mm (45.4 oz/in)		
prepared according to	accordance with Appendix D.	oz/in)	PASS		
Appendix B, using a 2	Average adhesion and				
kg (4.4 lb) rubber	percentage of readings above		100%		
coated roller according	specification recorded.				
to Appendix A3.			Mean Adhesion		
			27.6 N/25mm		
			(100.2 oz/in)		

TEST METHOD – Section Two, Part 4.2.3 – Adhesion After Artificial Weathering				
Application	Weathering	Measurement	Specification	RESULTS
Labels applied to	Samples exposed to	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	laboratory artificial	300 mm/minute (11.8	less than	12.5 N/25mm
plates prepared	weathering in	in/minute) in	12.5 N/25mm (45.4	(45.4 oz/in) <i>PASS</i>
according to	accordance with	accordance with	oz/in)	
Appendix B, using	Appendix E.	Appendix D.		100%
a 2 kg (4.4 lb)		Average adhesion and		
rubber coated		percentage of readings		Mean Adhesion
roller according to		above specification		
Appendix A3.		recorded.		25.7 N/25mm
				(93.3 oz/in)

TEST METHOD – Section Two, Part 4.2.4 – Adhesion After Temperature Cycling				
Application	Temperature	Measurement	Specification	RESULTS
	Cycling			
Labels applied to	Samples submitted	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	to temperature	300 mm/minute (11.8	less than 12.5	12.5 N/25mm
plates prepared	cycling in	in/minute) in	N/25mm (45.4	(45.4 oz/in)
according to	accordance with	accordance with	oz/in)	PASS
Appendix B, using	Appendix F.	Appendix D.		
a 2 kg (4.4 lb)		Average adhesion and		100%
rubber coated		percentage of readings		
roller according to		above specification		Mean Adhesion
Appendix A3.		recorded.		Wiean Aunesion
				26.8 N/25mm
				(97.3 oz/in)
				(97.3 02/11)

Product: FLEX con DRUM cal[™] 41446LI LABEL BASE MATERIAL BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.5 – Color Fastness of Base Material				
Weathering	Color Fastness	Hue	Specification	RESULTS
Tests carried out on samples exposed for 14 weeks at marine half tide site	Grey scale measurements according to Appendix G.	Visual Assessment	Color fastness rating not less than 2 compared with unweathered	Color Fastness PASS 4
for Part 4.1.			specimen. Color to remain recognizable as original hue.	Hue PASS Remained recognizable as original hue.

Product:FLEXcon DRUMcal[™] V-325-F WHITE V-344DL LABEL BASE MATERIAL
3.25 flexible white vinyl with an aggressive high performance permanent acrylic adhesive. Requires
press-applied varnish for laser printability.

BS 5609 Section Two (February 11, 1998)

CONCLUSIONS: FLEXcon DRUMcal[™] V-325-F WHITE V-344DL label base material meets the requirements of BS 5609 Section Two. Pressure-Sensitive, Adhesive Coated Label Base Material.

TEST METHOD – Section Two, Part 4.1 – Marine Performance Test					
Marine Exposure	Adhesion	Specification	RESULTS		
14 weeks exposure on south facing aluminum	180° peel adhesion at 300 mm/minute (11.8 in/minute)	80% of readings not less than 10 N/25mm (36.3	Readings not Less Than 10 N/25mm (36.3 oz/in)		
panel at Adhesive	according to BS 5609	oz/in)	PASS		
Technical Services' half tide site, on the Essex coast. Tests carried out	Appendix D. Average adhesion and percentage of readings above specification		100%		
according to BS 5609 Appendix C. Labels applied according to BS	recorded.		Mean Adhesion		
5609 Appendix A1, to panels prepared according to Appendix B.			21.4 N/25mm (77.7 oz/in)		

TEST METHOD – Section Two, Part 4.2.1 – Dimensional Stability				
Weathering	Measurement	Specification	RESULTS	
Tests carried out on samples exposed for 14 weeks at marine half tide	Samples measured in both directions before and after weathering. Samples	Dimensions shall not alter by more than +1% or -3%	Maximum Increase in Dimension PASS	
site for Part 4.1.	conditioned for 48 hours at $23^{\circ}C$ (73.4°F) and 50+/-%		0.0%	
	relative humidity prior to measuring. Maximum increase and decrease in		Maximum Decrease in Dimension PASS	
	dimensions and average change recorded.		-0.3%	
			Average Change in Dimensions	
			-0.09%	

Product: FLEX con DRUM cal[™] V-325-F WHITE V-344DL LABEL BASE MATERIAL BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.2 – Adhesion After 48 Hours					
Application	Measurement	Specification	RESULTS		
Labels applied to	180° peel adhesion at 300	80% of readings not less	Readings not Less Than		
aluminum test plates	mm/minute (11.8 in/minute) in	than 12.5 N/25mm (45.4	12.5 N/25mm (45.4 oz/in)		
prepared according to	accordance with Appendix D.	oz/in)	PASS		
Appendix B, using a 2	Average adhesion and				
kg (4.4 lb) rubber	percentage of readings above		100%		
coated roller according	specification recorded.				
to Appendix A3.					
			Mean Adhesion		
			28.2 N/25mm		
			(102.4 oz/in)		

TEST METHOD – Section Two, Part 4.2.3 – Adhesion After 48 Hours					
Application	Measurement	Measurement Specification			
Labels applied to	180° peel adhesion at 300	80% of readings not less	Readings not Less Than		
aluminum test plates	mm/minute (11.8 in/minute) in	than 12.5 N/25mm (45.4	12.5 N/25mm		
prepared according to	accordance with Appendix D.	oz/in)	(45.4 oz/in) <i>PASS</i>		
Appendix B, using a 2 kg (4.4 lb) rubber coated roller according	Average adhesion and percentage of readings above specification recorded.		100%		
to Appendix A3.			Mean Adhesion		
			25.2 N/25mm		
			(91.5 oz/in)		

TEST METHOD – Section Two, Part 4.2.4 – Adhesion After Temperature Cycling				
Application	Temperature	Measurement	Specification	RESULTS
	Cycling			
Labels applied to	Samples submitted	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	to temperature	300 mm/minute (11.8	less than 12.5	12.5 N/25mm
plates prepared	cycling in	in/minute) in	N/25mm (45.4	(45.4 oz/in)
according to	accordance with	accordance with	oz/in)	PASS
Appendix B, using	Appendix F.	Appendix D.		
a 2 kg (4.4 lb)		Average adhesion and		100%
rubber coated		percentage of readings		
roller according to		above specification		Mean Adhesion
Appendix A3.		recorded.		Mean Aunesion
				27.1 N/25mm
				(98.4 oz/in)
				(30.4 02/11)

Product: FLEXcon DRUMcal[™] V-325-F WHITE V-344DL LABEL BASE MATERIAL BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.5 – Color Fastness of Base Material				
Weathering	Color Fastness	Hue	Specification	RESULTS
Tests carried out on samples exposed for 14 weeks at marine half tide site for Part 4.1.	Grey scale measurements according to Appendix G.	Visual Assessment	Color fastness rating not less than 2 compared with unweathered specimen. Color to remain recognizable as original hue.	Color Fastness PASS 4 ¹ / ₂ Hue PASS Remained recognizable as original hue.

Product: FLEX.con DRUM.cal[™] V-325-F WHITE T/C-381 V-344DL LABEL BASE MATERIAL 3.25 mil topcoated flexible white vinyl with an aggressive high performance permanent acrylic adhesive. Thermal transfer printable.

BS 5609 Section Two (February 11, 1998)

CONCLUSIONS: FLEXcon DRUMcal[™] V-325-F WHITE T/C-381 V-344DL label base material meets the requirements of BS 5609 Section Two. Pressure-Sensitive, Adhesive Coated Label Base Material.

TEST METHOD – Section	TEST METHOD – Section Two, Part 4.1 – Marine Performance Test					
Marine Exposure	Adhesion	Specification	RESULTS			
14 weeks exposure on south facing aluminum	180° peel adhesion at 300 mm/minute (11.8 in/minute)	80% of readings not less than 10 N/25mm (36.3	Readings not Less Than 10 N/25mm (36.3 oz/in)			
panel at Adhesive Technical Services' half tide site, on the Essex	according to BS 5609 Appendix D. Average adhesion and percentage of	oz/in)	PASS 100%			
coast. Tests carried out according to BS 5609	readings above specification recorded.					
Appendix C. Labels applied according to BS 5609 Appendix A1, to			Mean Adhesion			
panels prepared according to Appendix B.			27.0 N/25mm (98.0 oz/in)			

TEST METHOD – Section	TEST METHOD – Section Two, Part 4.2.1 – Dimensional Stability					
Weathering	Measurement	Specification	RESULTS			
Tests carried out on samples exposed for 14 weeks at marine half tide	Samples measured in both directions before and after weathering. Samples	Dimensions shall not alter by more than +1% or -3%	Maximum Increase in Dimension PASS			
site for Part 4.1.	conditioned for 48 hours at $23^{\circ}C$ (73.4°F) and 50+/-%		0.0%			
	relative humidity prior to measuring. Maximum increase and decrease in		Maximum Decrease in Dimension PASS			
	dimensions and average change recorded.		-0.5%			
			Average Change in Dimensions			
			-0.18%			

Product: FLEX con DRUM cal[™] V-325-F WHITE T/C-381 V-344DL LABEL BASE MATERIAL BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.2 – Adhesion After 48 Hours					
Application	Measurement	Measurement Specification			
Labels applied to	180° peel adhesion at 300	80% of readings not less	Readings not Less Than		
aluminum test plates	mm/minute (11.8 in/minute) in	than 12.5 N/25mm (45.4	12.5 N/25mm (45.4 oz/in)		
prepared according to	accordance with Appendix D.	oz/in)	PASS		
Appendix B, using a 2 kg (4.4 lb) rubber coated roller according	Average adhesion and percentage of readings above specification recorded.		100%		
to Appendix A3.			Mean Adhesion		
			23.2 N/25mm (84.2 oz/in)		

TEST METHOD – Section Two, Part 4.2.3 – Adhesion After Artificial Weathering				
Application	Weathering	Measurement	Specification	RESULTS
Labels applied to	Samples exposed to	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	laboratory artificial	300 mm/minute (11.8	less than	12.5 N/25mm
plates prepared	weathering in	in/minute) in	12.5 N/25mm (45.4	(45.4 oz/in) <i>PASS</i>
according to	accordance with	accordance with	oz/in)	
Appendix B, using	Appendix E.	Appendix D.		100%
a 2 kg (4.4 lb)		Average adhesion and		
rubber coated		percentage of readings		Mean Adhesion
roller according to		above specification		Mean Addesion
Appendix A3.		recorded.		24.4 N/25mm
				(88.6 oz/in)

TEST METHOD – Section Two, Part 4.2.4 – Adhesion After Temperature Cycling				
Application	Temperature	Measurement	Specification	RESULTS
	Cycling			
Labels applied to	Samples submitted	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	to temperature	300 mm/minute (11.8	less than 12.5	12.5 N/25mm
plates prepared	cycling in	in/minute) in	N/25mm (45.4	(45.4 oz/in)
according to	accordance with	accordance with	oz/in)	PASS
Appendix B, using	Appendix F.	Appendix D.		
a 2 kg (4.4 lb)		Average adhesion and		100%
rubber coated		percentage of readings		
roller according to		above specification		Mean Adhesion
Appendix A3.		recorded.		Mean Addesion
				26.1 N/25mm
				(94.7 oz/in)
				(94.7 0Z/III)

Product: FLEXcon DRUMcal[™] V-325-F WHITE T/C-381 V-344DL LABEL BASE MATERIAL BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.5 – Color Fastness of Base Material				
Weathering	Color Fastness	Hue	Specification	RESULTS
Tests carried out on samples exposed for 14 weeks at	Grey scale measurements according to	Visual Assessment	Color fastness rating not less than 2 compared with	Color Fastness PASS 4 1/2
marine half tide site for Part 4.1.	Appendix G.		unweathered specimen.	Hue PASS
				Remained recognizable as original hue.

Product:FLEXcon DRUMcal[™] V-400-F WHITE V-344DL LABEL BASE MATERIAL
3.5 mil flexible white vinyl with an aggressive high performance permanent acrylic adhesive. Requires
press-applied varnish for laser printability.

BS 5609 Section Two (February 11, 1998)

CONCLUSIONS: FLEXcon DRUMcal[™] V-400-F WHITE V-344DL label base material meets the requirements of BS 5609 Section Two. Pressure-Sensitive, Adhesive Coated Label Base Material.

TEST METHOD – Section Two, Part 4.1 – Marine Performance Test					
Marine Exposure	Adhesion	Specification	RESULTS		
14 weeks exposure on south facing aluminum	180° peel adhesion at 300 mm/minute (11.8 in/minute)	80% of readings not less than 10 N/25mm (36.3	Readings not Less Than 10 N/25mm (36.3 oz/in)		
panel at Adhesive Technical Services' half	according to BS 5609 Appendix D. Average	oz/in)	PASS		
tide site, on the Essex coast. Tests carried out	adhesion and percentage of readings above specification		100%		
according to BS 5609 Appendix C. Labels applied according to BS	recorded.		Mean Adhesion		
5609 Appendix A1, to panels prepared according to Appendix B.			23.4 N/25mm (84.9 oz/in)		

TEST METHOD – Section Two, Part 4.2.1 – Dimensional Stability					
Weathering	Measurement	Specification	RESULTS		
Tests carried out on samples exposed for 14 weeks at marine half tide	Samples measured in both directions before and after weathering. Samples	Dimensions shall not alter by more than +1% or -3%	Maximum Increase in Dimension PASS		
site for Part 4.1.	conditioned for 48 hours at $23^{\circ}C$ (73.4°F) and 50+/-%		+0.2%		
	relative humidity prior to measuring. Maximum increase and decrease in		Maximum Decrease in Dimension PASS		
	dimensions and average change recorded.		0.0%		
			Average Change in Dimensions		
			+0.02%		

Product: FLEX con DRUM cal[™] V-400-F WHITE V-344DL LABEL BASE MATERIAL BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.2 – Adhesion After 48 Hours					
Application	Measurement	Measurement Specification			
Labels applied to aluminum test plates	180° peel adhesion at 300 mm/minute (11.8 in/minute) in	80% of readings not less than 12.5 N/25mm (45.4	Readings not Less Than 12.5 N/25mm (45.4 oz/in)		
prepared according to	accordance with Appendix D.	oz/in)	PASS		
Appendix B, using a 2 kg (4.4 lb) rubber coated roller according	Average adhesion and percentage of readings above specification recorded.		100%		
to Appendix A3.			Mean Adhesion		
			28.6 N/25mm (103.8 oz/in)		

TEST METHOD – Section Two, Part 4.2.3 – Adhesion After Artificial Weathering				
Application	Weathering	Measurement	Specification	RESULTS
Labels applied to	Samples exposed to	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	laboratory artificial	300 mm/minute (11.8	less than	12.5 N/25mm
plates prepared	weathering in	in/minute) in	12.5 N/25mm (45.4	(45.4 oz/in) <i>PASS</i>
according to	accordance with	accordance with	oz/in)	
Appendix B, using	Appendix E.	Appendix D.		100%
a 2 kg (4.4 lb)		Average adhesion and		
rubber coated		percentage of readings		Mean Adhesion
roller according to		above specification		Wean Addesion
Appendix A3.		recorded.		27.2 N/25mm
				(98.7 oz/in)

TEST METHOD – Section Two, Part 4.2.4 – Adhesion After Temperature Cycling				
Application	Temperature	Measurement	Specification	RESULTS
	Cycling			
Labels applied to	Samples submitted	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	to temperature	300 mm/minute (11.8	less than 12.5	12.5 N/25mm
plates prepared	cycling in	in/minute) in	N/25mm (45.4	(45.4 oz/in)
according to	accordance with	accordance with	oz/in)	PASS
Appendix B, using	Appendix F.	Appendix D.		
a 2 kg (4.4 lb)		Average adhesion and		100%
rubber coated		percentage of readings		
roller according to		above specification		Mean Adhesion
Appendix A3.		recorded.		Mean Aunesion
				27.1 N/25mm
				(98.4 oz/in)

Product: FLEXcon DRUMcal[™] V-400-F WHITE V-344DL LABEL BASE MATERIAL BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.5 – Color Fastness of Base Material				
Weathering	Color Fastness	Hue	Specification	RESULTS
Tests carried out on samples exposed for 14 weeks at marine half tide site for Part 4.1.	Grey scale measurements according to Appendix G.	Visual Assessment	Color fastness rating not less than 2 compared with unweathered specimen. Color to remain recognizable as original hue.	Color Fastness PASS 4 ¹ / ₂ Hue PASS Remained recognizable as original hue.

Product:FLEXcon DRUMcal[™] V-400-F WHITE MT/C-354 V-344DL LABEL BASE MATERIAL
3.5 mil matte topcoated flexible white vinyl with an aggressive high performance permanent acrylic
adhesive. Dot matrix/impact and laser printable.

BS 5609 Section Two (February 11, 1998)

CONCLUSIONS: FLEXcon DRUMcal[™] V-400-F WHITE MT/C-354 V-344DL label base material meets the requirements of BS 5609 Section Two. Pressure-Sensitive, Adhesive Coated Label Base Material.

TEST METHOD – Section	TEST METHOD – Section Two, Part 4.1 – Marine Performance Test					
Marine Exposure	Adhesion	Specification	RESULTS			
14 weeks exposure on south facing aluminum	180° peel adhesion at 300 mm/minute (11.8 in/minute)	80% of readings not less than 10 N/25mm (36.3	Readings not Less Than 10 N/25mm (36.3 oz/in)			
panel at Adhesive	according to BS 5609	oz/in)	PASS			
Technical Services' half tide site, on the Essex coast. Tests carried out	Appendix D. Average adhesion and percentage of readings above specification		100%			
according to BS 5609 Appendix C. Labels applied according to BS	recorded.		Mean Adhesion			
5609 Appendix A1, to panels prepared according to Appendix B.			24.4 N/25mm (88.6 oz/in)			

TEST METHOD – Section Two, Part 4.2.1 – Dimensional Stability					
Weathering	Measurement	Specification	RESULTS		
Tests carried out on samples exposed for 14 weeks at marine half tide	Samples measured in both directions before and after weathering. Samples	Dimensions shall not alter by more than +1%.	Maximum Increase in Dimension PASS		
site for Part 4.1.	conditioned for 48 hours at $23^{\circ}C$ (73.4°F) and 50+/-%		0.0%		
	relative humidity prior to measuring. Maximum increase and decrease in		Maximum Decrease in Dimension PASS		
	dimensions and average change recorded.		0.0%		
			Average Change in Dimensions		
			0.0%		

Product: FLEX con DRUM cal[™] V-400-F WHITE MT/C-354 V-344DL LABEL BASE MATERIAL BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.2 – Adhesion After 48 Hours					
Application	Measurement	Specification	RESULTS		
Labels applied to aluminum test plates prepared according to Appendix B, using a 2	180° peel adhesion at 300 mm/minute (11.8 in/minute) in accordance with Appendix D. Average adhesion and	80% of readings not less than 12.5 N/25mm (45.4 oz/in)	Readings not Less Than 12.5 N/25mm (45.4 oz/in) PASS		
kg (4.4 lb) rubber coated roller according to Appendix A3.	percentage of readings above specification recorded.		100%		
to Appendix A5.			Mean Adhesion		
			27.6 N/25mm (100.2 oz/in)		

TEST METHOD – Section Two, Part 4.2.3 – Adhesion After Artificial Weathering				
Application	Weathering	Measurement	Specification	RESULTS
Labels applied to	Samples exposed to	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	laboratory artificial	300 mm/minute (11.8	less than	12.5 N/25mm
plates prepared	weathering in	in/minute) in	12.5 N/25mm (45.4	(45.4 oz/in) <i>PASS</i>
according to	accordance with	accordance with	oz/in)	
Appendix B, using	Appendix E.	Appendix D.		100%
a 2 kg (4.4 lb)		Average adhesion and		
rubber coated		percentage of readings		Mean Adhesion
roller according to		above specification		
Appendix A3.		recorded.		25.7 N/25mm
				(93.3 oz/in)

TEST METHOD – Section Two, Part 4.2.4 – Adhesion After Temperature Cycling				
Application	Temperature	Measurement	Specification	RESULTS
	Cycling			
Labels applied to	Samples submitted	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	to temperature	300 mm/minute (11.8	less than 12.5	12.5 N/25mm
plates prepared	cycling in	in/minute) in	N/25mm (45.4	(45.4 oz/in)
according to	accordance with	accordance with	oz/in)	PASS
Appendix B, using	Appendix F.	Appendix D.		
a 2 kg (4.4 lb)		Average adhesion and		100%
rubber coated		percentage of readings		
roller according to		above specification		Mean Adhesion
Appendix A3.		recorded.		Mean Adhesion
				26.8 N/25mm
				(97.3 oz/in)
				(97.5 0Z/III)

Product: FLEX con DRUM cal[™] V-400-F WHITE MT/C-354 V-344DL LABEL BASE MATERIAL BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.5 – Color Fastness of Base Material				
Weathering	Color Fastness	Hue	Specification	RESULTS
Tests carried out on samples exposed for 14 weeks at marine half tide site for Part 4.1.	Grey scale measurements according to Appendix G.	Visual Assessment	Color fastness rating not less than 2 compared with unweathered specimen. Color to remain recognizable as original hue.	Color Fastness PASS 4 Hue PASS Remained recognizable as original hue.

Product: FLEXcon DRUMcal[™] 31046T LABEL BASE MATERIAL

3.8 mil print treated flexible white matte polyethylene with an aggressive high performance permanent acrylic adhesive on a 60 lb. two side polycoated layflat release liner. Thermal transfer printable.

BS 5609 Section Two (February 11, 1998)

CONCLUSIONS: FLEXcon DRUMcal[™] 31046T label base material meets the requirements of BS 5609 Section Two. Pressure-Sensitive, Adhesive Coated Label Base Material.

TEST METHOD – Section Two, Part 4.1 – Marine Performance Test						
Marine Exposure	Adhesion	Adhesion Specification				
14 weeks exposure on	180° peel adhesion at 300	80% of readings not less	Readings not Less Than			
south facing aluminum	mm/minute (11.8 in/minute)	than 10 N/25mm (36.3	10 N/25mm (36.3 oz/in)			
panel at Adhesive	according to BS 5609	oz/in)	PASS			
Technical Services' half	Appendix D. Average					
tide site, on the Essex	adhesion and percentage of		100%			
coast. Tests carried out	readings above specification					
according to BS 5609	recorded.					
Appendix C. Labels			Mean Adhesion			
applied according to BS						
5609 Appendix A1, to						
panels prepared according			14.6 N/25mm			
to Appendix B.			(53.0 oz/in)			

TEST METHOD – Section Two, Part 4.2.1 – Dimensional Stability					
Weathering	Measurement	Specification	RESULTS		
Tests carried out on samples exposed for 14 weeks at marine half tide	Samples measured in both directions before and after weathering. Samples	Dimensions shall not alter by more than $+1\%$ or -3% .	Maximum Increase in Dimension PASS		
site for Part 4.1.	conditioned for 48 hours at 23° C (73.4°F) and 50+/-%		+0.1%		
	relative humidity prior to measuring. Maximum increase and decrease in		Maximum Decrease in Dimension PASS		
	dimensions and average change recorded.		-0.3%		
			Average Change in Dimensions		
			-0.02%		

FLEXcon DRUMcal[™] 31046T LABEL BASE MATERIAL BS 5609 Section Two – continued **Product:**

TEST METHOD – Section Two, Part 4.2.2 – Adhesion After 48 Hours					
Application	Measurement	Specification	RESULTS		
Labels applied to	180° peel adhesion at 300	80% of readings not less	Readings not Less Than		
aluminum test plates	mm/minute (11.8 in/minute) in	than 12.5 N/25mm (45.4	12.5 N/25mm (45.4 oz/in)		
prepared according to	accordance with Appendix D.	oz/in)	PASS		
Appendix B, using a 2 kg (4.4 lb) rubber coated roller according	Average adhesion and percentage of readings above specification recorded.		100%		
to Appendix A3.			Mean Adhesion		
			28.2 N/25mm (102.4 oz/in)		

TEST METHOD – Section Two, Part 4.2.3 – Adhesion After Artificial Weathering				
Application	Weathering	Measurement	Specification	RESULTS
Labels applied to	Samples exposed to	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	laboratory artificial	300 mm/minute (11.8	less than	12.5 N/25mm
plates prepared	weathering in	in/minute) in	12.5 N/25mm (45.4	(45.4 oz/in) <i>PASS</i>
according to	accordance with	accordance with	oz/in)	
Appendix B, using	Appendix E.	Appendix D.		100%
a 2 kg (4.4 lb)		Average adhesion and		
rubber coated		percentage of readings		Mean Adhesion
roller according to		above specification		Mean Aunesion
Appendix A3.		recorded.		14.3 N/25mm
				(52.0 oz/in)

TEST METHOD – Section Two, Part 4.2.4 – Adhesion After Temperature Cycling				
Application	Temperature	Measurement	Specification	RESULTS
	Cycling			
Labels applied to	Samples submitted	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	to temperature	300 mm/minute (11.8	less than 12.5	12.5 N/25mm
plates prepared	cycling in	in/minute) in	N/25mm (45.4	(45.4 oz/in)
according to	accordance with	accordance with	oz/in)	PASS
Appendix B, using a 2 kg (4.4 lb) rubber coated	Appendix F.	Appendix D. Average adhesion and percentage of readings		100%
roller according to Appendix A3.		above specification recorded.		Mean Adhesion
				17.2 N/25mm (62.4 oz/in)

Product: FLEX con DRUM cal[™] 31046T LABEL BASE MATERIAL BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.5 – Color Fastness of Base Material				
Weathering	Color Fastness	Hue	Specification	RESULTS
Tests carried out on samples exposed for 14 weeks at marine half tide site for Part 4.1.	Grey scale measurements according to Appendix G.	Visual Assessment	Color fastness rating not less than 2 compared with unweathered specimen. Color to remain recognizable as original hue.	Color Fastness PASS 4 Hue PASS Remained recognizable as original hue.

TESTED BY: Adhesive Technical Services Ltd., P.O. Box 51, Botany Way, Beacon Hill Industrial Estate. Purfleet, Essex RM 161SY Telephone: 01708 867355 Fax: 01708 869804

FLEXcon BS 5609 COMPLIANCE SUMMARY REPORT

Product: FLEXcon DRUMcal[™] 314461 LABEL BASE MATERIAL

3.8 mil matte topcoated flexible white matte polyethylene with an aggressive high performance permanent acrylic adhesive on a 60 lb. two side polycoated layflat release liner. Dot matrix/impact printable.

BS 5609 Section Two (February 11, 1998)

CONCLUSIONS: FLEXcon DRUMcal[™] 314461 label base material meets the requirements of BS 5609 Section Two. Pressure-Sensitive, Adhesive Coated Label Base Material.

TEST METHOD – Section Two, Part 4.1 – Marine Performance Test					
Marine Exposure	Adhesion	Specification	RESULTS		
14 weeks exposure on	180° peel adhesion at 300	80% of readings not less	Readings not Less Than		
south facing aluminum	mm/minute (11.8 in/minute)	than 10 N/25mm (36.3	10 N/25mm (36.3 oz/in)		
panel at Adhesive	according to BS 5609	oz/in)	PASS		
Technical Services' half	Appendix D. Average				
tide site, on the Essex	adhesion and percentage of		100%		
coast. Tests carried out	readings above specification				
according to BS 5609	recorded.				
Appendix C. Labels			Mean Adhesion		
applied according to BS					
5609 Appendix A1, to					
panels prepared according			19.4 N/25mm		
to Appendix B.			(70.4 oz/in)		

TEST METHOD – Section Two, Part 4.2.1 – Dimensional Stability					
Weathering	Measurement	Specification	RESULTS		
Tests carried out on samples exposed for 14 weeks at marine half tide	Samples measured in both directions before and after weathering. Samples	Dimensions shall not alter by more than +1% or -3%.	Maximum Increase in Dimension PASS		
site for Part 4.1.	conditioned for 48 hours at $23^{\circ}C$ (73.4°F) and 50+/-%		0.0%		
	relative humidity prior to measuring. Maximum increase and decrease in		Maximum Decrease in Dimension PASS		
	dimensions and average change recorded.		-0.2%		
			Average Change in Dimensions		
			-0.03%		

FLEXcon DRUMcal[™] 314461 LABEL BASE MATERIAL BS 5609 Section Two – continued **Product:**

TEST METHOD – Section Two, Part 4.2.2 – Adhesion After 48 Hours					
Application	Measurement	Specification	RESULTS		
Labels applied to	180° peel adhesion at 300	80% of readings not less	Readings not Less Than		
aluminum test plates	mm/minute (11.8 in/minute) in	than 12.5 N/25mm (45.4	12.5 N/25mm (45.4 oz/in)		
prepared according to	accordance with Appendix D.	oz/in)	PASS		
Appendix B, using a 2 kg (4.4 lb) rubber coated roller according	Average adhesion and percentage of readings above specification recorded.		100%		
to Appendix A3.			Mean Adhesion		
			19.6 N/25mm (71.2 oz/in)		

TEST METHOD – Section Two, Part 4.2.3 – Adhesion After Artificial Weathering				
Application	Weathering	Measurement	Specification	RESULTS
Labels applied to	Samples exposed to	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	laboratory artificial	300 mm/minute (11.8	less than	12.5 N/25mm
plates prepared	weathering in	in/minute) in	12.5 N/25mm (45.4	(45.4 oz/in) <i>PASS</i>
according to	accordance with	accordance with	oz/in)	
Appendix B, using	Appendix E.	Appendix D.		100%
a 2 kg (4.4 lb)		Average adhesion and		
rubber coated		percentage of readings		Mean Adhesion
roller according to		above specification		Mean Aunesion
Appendix A3.		recorded.		19.0 N/25mm
				(69.0 oz/in)

TEST METHOD – Section Two, Part 4.2.4 – Adhesion After Temperature Cycling				
Application	Temperature	Measurement	Specification	RESULTS
	Cycling			
Labels applied to	Samples submitted	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	to temperature	300 mm/minute (11.8	less than 12.5	12.5 N/25mm
plates prepared	cycling in	in/minute) in	N/25mm (45.4	(45.4 oz/in)
according to	accordance with	accordance with	oz/in)	PASS
Appendix B, using	Appendix F.	Appendix D.		
a 2 kg (4.4 lb)		Average adhesion and		100%
rubber coated		percentage of readings		
roller according to		above specification		Mean Adhesion
Appendix A3.		recorded.		Mean Aunesion
				20.1 N/25mm
				(73.0 oz/in)

Product: FLEX con DRUM cal[™] 314461 LABEL BASE MATERIAL BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.5 – Color Fastness of Base Material				
Weathering	Color Fastness	Hue	Specification	RESULTS
Tests carried out on samples exposed for 14 weeks at marine half tide site for Part 4.1.	Grey scale measurements according to Appendix G.	Visual Assessment	Color fastness rating not less than 2 compared with unweathered specimen.	Color Fastness PASS 3 Hue PASS
				Remained recognizable as original hue.

TESTED BY: Adhesive Technical Services Ltd., P.O. Box 51, Botany Way, Beacon Hill Industrial Estate. Purfleet, Essex RM 16 1SY Telephone: 01708 867355 Fax: 01708 869804

FLEXcon BS 5609 COMPLIANCE SUMMARY REPORT

Product: FLEXcon DRUMcal[™] 31846T LABEL BASE MATERIAL

3.8 mil topcoated flexible white matte polyethylene with an aggressive high performance permanent acrylic adhesive on a 60 lb. two side polycoated layflat release liner. Thermal transfer printable.

BS 5609 Section Two (February 11, 1998)

CONCLUSIONS: FLEXcon DRUMcal[™] 31846T label base material meets the requirements of BS 5609 Section Two. Pressure-Sensitive, Adhesive Coated Label Base Material.

TEST METHOD – Section Two, Part 4.1 – Marine Performance Test						
Marine Exposure	Adhesion	Specification	RESULTS			
14 weeks exposure on	180° peel adhesion at 300	80% of readings not less	Readings not Less Than			
south facing aluminum	mm/minute (11.8 in/minute)	than 10 N/25mm (36.3	10 N/25mm (36.3 oz/in)			
panel at Adhesive	according to BS 5609	oz/in)	PASS			
Technical Services' half	Appendix D. Average					
tide site, on the Essex	adhesion and percentage of		100%			
coast. Tests carried out	readings above specification					
according to BS 5609	recorded.					
Appendix C. Labels			Mean Adhesion			
applied according to BS						
5609 Appendix A1, to						
panels prepared according			14.4 N/25mm			
to Appendix B.			(52.3 oz/in)			

TEST METHOD – Section Two, Part 4.2.1 – Dimensional Stability					
Weathering	Measurement	Specification	RESULTS		
Tests carried out on samples exposed for 14 weeks at marine half tide	Samples measured in both directions before and after weathering. Samples	Dimensions shall not alter by more than $+1\%$ or -3% .	Maximum Increase in Dimension PASS		
site for Part 4.1.	conditioned for 48 hours at 23° C (73.4°F) and 50+/-%		0.0%		
	relative humidity prior to measuring. Maximum increase and decrease in		Maximum Decrease in Dimension PASS		
	dimensions and average change recorded.		-0.1%		
			Average Change in Dimensions		
			-0.03%		

FLEXcon DRUMcal[™] 31846T LABEL BASE MATERIAL BS 5609 Section Two – continued **Product:**

TEST METHOD – Section Two, Part 4.2.2 – Adhesion After 48 Hours					
Application	Measurement	Specification	RESULTS		
Labels applied to	180° peel adhesion at 300	80% of readings not less	Readings not Less Than		
aluminum test plates	mm/minute (11.8 in/minute) in	than 12.5 N/25mm (45.4	12.5 N/25mm (45.4 oz/in)		
prepared according to	accordance with Appendix D.	oz/in)	PASS		
Appendix B, using a 2 kg (4.4 lb) rubber coated roller according	Average adhesion and percentage of readings above specification recorded.		100%		
to Appendix A3.			Mean Adhesion		
			19.6 N/25mm		
			(71.2 oz/in)		

TEST METHOD – Section Two, Part 4.2.3 – Adhesion After Artificial Weathering				
Application	Weathering	Measurement	Specification	RESULTS
Labels applied to	Samples exposed to	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	laboratory artificial	300 mm/minute (11.8	less than	12.5 N/25mm
plates prepared	weathering in	in/minute) in	12.5 N/25mm (45.4	(45.4 oz/in) <i>PASS</i>
according to	accordance with	accordance with	oz/in)	
Appendix B, using	Appendix E.	Appendix D.		100%
a 2 kg (4.4 lb)		Average adhesion and		
rubber coated		percentage of readings		Mean Adhesion
roller according to		above specification		Mean Addesion
Appendix A3.		recorded.		16.5 N/25mm
				(59.9 oz/in)

TEST METHOD – Section Two, Part 4.2.4 – Adhesion After Temperature Cycling				
Application	Temperature	Measurement	Specification	RESULTS
	Cycling			
Labels applied to	Samples submitted	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	to temperature	300 mm/minute (11.8	less than 12.5	12.5 N/25mm
plates prepared	cycling in	in/minute) in	N/25mm (45.4	(45.4 oz/in)
according to	accordance with	accordance with	oz/in)	PASS
Appendix B, using a 2 kg (4.4 lb) rubber coated	Appendix F.	Appendix D. Average adhesion and percentage of readings		100%
roller according to Appendix A3.		above specification recorded.		Mean Adhesion
				19.2 N/25mm (69.7 oz/in)

Product: FLEX con DRUM cal[™] 31846T LABEL BASE MATERIAL BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.5 – Color Fastness of Base Material					
Weathering	Color Fastness	Hue	Specification	RESULTS	
Tests carried out on samples exposed for 14 weeks at marine half tide site for Part 4.1.	Grey scale measurements according to Appendix G.	Visual Assessment	Color fastness rating not less than 2 compared with unweathered specimen.	Color Fastness PASS 4 ¹ / ₂ Hue PASS Remained recognizable as original hue.	

TESTED BY: Adhesive Technical Services Ltd., P.O. Box 51, Botany Way, Beacon Hill Industrial Estate. Purfleet, Essex RM 16 1SY Telephone: 01708 867355 Fax: 01708 869804

FLEXcon BS 5609 COMPLIANCE SUMMARY REPORT

Product: FLEXcon DRUMcal[™] 35046TI LABEL BASE MATERIAL

3.5 mil print receptive flexible white matte polyethylene with an aggressive high performance permanent acrylic adhesive on a 60 lb. two side polycoated layflat release liner. Thermal transfer and dot matrix/impact printable.

BS 5609 Section Two (February 11, 1998)

CONCLUSIONS: FLEXcon DRUMcal[™] 35046TI label base material meets the requirements of BS 5609 Section Two. Pressure-Sensitive, Adhesive Coated Label Base Material.

TEST METHOD – Section Two, Part 4.1 – Marine Performance Test						
Marine Exposure	Adhesion	Specification	RESULTS			
14 weeks exposure on	180° peel adhesion at 300	80% of readings not less	Readings not Less Than			
south facing aluminum	mm/minute (11.8 in/minute)	than 10 N/25mm (36.3	10 N/25mm (36.3 oz/in)			
panel at Adhesive	according to BS 5609	oz/in)	PASS			
Technical Services' half	Appendix D. Average					
tide site, on the Essex	adhesion and percentage of		100%			
coast. Tests carried out	readings above specification					
according to BS 5609	recorded.					
Appendix C. Labels			Mean Adhesion			
applied according to BS						
5609 Appendix A1, to						
panels prepared according			24.0 N/25mm			
to Appendix B.			(87.1 oz/in)			

TEST METHOD – Section Two, Part 4.2.1 – Dimensional Stability					
Weathering	Measurement	Specification	RESULTS		
Tests carried out on samples exposed for 14 weeks at marine half tide	Samples measured in both directions before and after weathering. Samples	Dimensions shall not alter by more than +1% or -3%.	Maximum Increase in Dimension PASS		
site for Part 4.1.	conditioned for 48 hours at 23° C (73.4°F) and 50+/-%		+0.1%		
	relative humidity prior to measuring. Maximum increase and decrease in		Maximum Decrease in Dimension PASS		
	dimensions and average change recorded.		-0.2%		
			Average Change in Dimensions		
			-0.1%		

FLEXcon DRUMcal[™] 35046TI LABEL BASE MATERIAL BS 5609 Section Two – continued **Product:**

TEST METHOD – Section Two, Part 4.2.2 – Adhesion After 48 Hours					
Application	Measurement	Specification	RESULTS		
Labels applied to	180° peel adhesion at 300	80% of readings not less	Readings not Less Than		
aluminum test plates	mm/minute (11.8 in/minute) in	than 12.5 N/25mm (45.4	12.5 N/25mm (45.4 oz/in)		
prepared according to	accordance with Appendix D.	oz/in)	PASS		
Appendix B, using a 2 kg (4.4 lb) rubber coated roller according	Average adhesion and percentage of readings above specification recorded.		100%		
to Appendix A3.			Mean Adhesion		
			22.8 N/25mm (82.8 oz/in)		

TEST METHOD – Section Two, Part 4.2.3 – Adhesion After Artificial Weathering				
Application	Weathering	Measurement	Specification	RESULTS
Labels applied to	Samples exposed to	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	laboratory artificial	300 mm/minute (11.8	less than	12.5 N/25mm
plates prepared	weathering in	in/minute) in	12.5 N/25mm (45.4	(45.4 oz/in) <i>PASS</i>
according to	accordance with	accordance with	oz/in)	
Appendix B, using	Appendix E.	Appendix D.		100%
a 2 kg (4.4 lb)		Average adhesion and		
rubber coated		percentage of readings		Mean Adhesion
roller according to		above specification		Mean Addesion
Appendix A3.		recorded.		22.1 N/25mm
				(80.2 oz/in)

TEST METHOD -	TEST METHOD – Section Two, Part 4.2.4 – Adhesion After Temperature Cycling				
Application	Temperature	Measurement	Specification	RESULTS	
	Cycling				
Labels applied to	Samples submitted	180° peel adhesion at	80% of readings not	Readings not Less Than	
aluminum test	to temperature	300 mm/minute (11.8	less than 12.5	12.5 N/25mm	
plates prepared	cycling in	in/minute) in	N/25mm (45.4	(45.4 oz/in)	
according to	accordance with	accordance with	oz/in)	PASS	
Appendix B, using	Appendix F.	Appendix D.			
a 2 kg (4.4 lb)		Average adhesion and		100%	
rubber coated		percentage of readings			
roller according to		above specification		Mean Adhesion	
Appendix A3.		recorded.		Wiean Aunesion	
				24.8 N/25mm	
				(90.0 oz/in)	
				(30.0 02/11)	

Product: FLEXcon DRUMcal[™] 35046TI LABEL BASE MATERIAL BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.5 – Color Fastness of Base Material					
Weathering	Color Fastness	Hue	Specification	RESULTS	
Tests carried out on samples exposed for 14 weeks at marine half tide site for Part 4.1.	Grey scale measurements according to Appendix G.	Visual Assessment	Color fastness rating not less than 2 compared with unweathered specimen. Color to remain recognizable as original hue.	Color Fastness PASS 4 ¹ / ₂ Hue PASS Remained recognizable as original hue.	

TESTED BY: Adhesive Technical Services Ltd., P.O. Box 51, Botany Way, Beacon Hill Industrial Estate. Purfleet, Essex RM 161SY Telephone: 01708 867355 Fax: 01708 869804

FLEXcon BS 5609 COMPLIANCE SUMMARYY REPORT

Product:FLEXcon DRUMcal[™] PE-350-FWM P/T/P V-344DL LABEL BASE MATERIAL
3.5 mil print receptive flexible white matte polyethylene with an aggressive high performance
permanent acrylic adhesive. Thermal transfer printable.

BS 5609 Section Two (February 11, 1998)

CONCLUSIONS: FLEXcon DRUMcal[™] PE-350-FWM P/T/P V-344DL label base material meets the requirements of BS 5609 Section Two. Pressure-Sensitive, Adhesive Coated Label Base Material.

TEST METHOD – Section Two, Part 4.1 – Marine Performance Test					
Marine Exposure	Adhesion	Specification	RESULTS		
14 weeks exposure on south facing aluminum	180° peel adhesion at 300 mm/minute (11.8 in/minute)	80% of readings not less than 10 N/25mm (36.3	Readings not Less Than 10 N/25mm (36.3 oz/in)		
panel at Adhesive Technical Services' half tide site, on the Essex coast. Tests carried out	according to BS 5609 Appendix D. Average adhesion and percentage of readings above specification	oz/in)	PASS 100%		
according to BS 5609 Appendix C. Labels applied according to BS	recorded.		Mean Adhesion		
5609 Appendix A1, to panels prepared according to Appendix B.			24.0 N/25mm (87.1 oz/in)		

TEST METHOD – Section	TEST METHOD – Section Two, Part 4.2.1 – Dimensional Stability						
Weathering	Measurement	Specification	RESULTS				
Tests carried out on samples exposed for 14 weeks at marine half tide	Samples measured in both directions before and after weathering. Samples	Dimensions shall not alter by more than $+1\%$ or -3% .	Maximum Increase in Dimension PASS				
site for Part 4.1.	conditioned for 48 hours at $23^{\circ}C$ (73.4°F) and 50+/-%		+0.1%				
	relative humidity prior to measuring. Maximum increase and decrease in		Maximum Decrease in Dimension PASS				
	dimensions and average change recorded.		-0.2%				
			Average Change in Dimensions				
			-0.1%				

Product: FLEXcon DRUMcal[™] PE-350-FWM P/T/P V-344DL LABEL BASE MATERIAL BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.2 – Adhesion After 48 Hours					
Application	Measurement	Specification	RESULTS		
Labels applied to	180° peel adhesion at 300	80% of readings not less	Readings not Less Than		
aluminum test plates	mm/minute (11.8 in/minute) in	than 12.5 N/25mm (45.4	12.5 N/25mm (45.4 oz/in)		
prepared according to	accordance with Appendix D.	oz/in)	PASS		
Appendix B, using a 2	Average adhesion and				
kg (4.4 lb) rubber	percentage of readings above		100%		
coated roller according	specification recorded.				
to Appendix A3.			Mean Adhesion		
			Mean Auncsion		
			22.8 N/25mm		
			(82.8 oz/in)		

TEST METHOD – Section Two, Part 4.2.3 – Adhesion After Artificial Weathering				
Application	Weathering	Measurement	Specification	RESULTS
Labels applied to	Samples exposed to	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	laboratory artificial	300 mm/minute (11.8	less than	12.5 N/25mm
plates prepared	weathering in	in/minute) in	12.5 N/25mm (45.4	(45.4 oz/in) <i>PASS</i>
according to	accordance with	accordance with	oz/in)	
Appendix B, using	Appendix E.	Appendix D.		100%
a 2 kg (4.4 lb)		Average adhesion and		
rubber coated		percentage of readings		Mean Adhesion
roller according to		above specification		Mean Adhesion
Appendix A3.		recorded.		22.8 N/25mm
				(80.2 oz/in)

TEST METHOD – Section Two, Part 4.2.4 – Adhesion After Temperature Cycling				
Application	Temperature	Measurement	Specification	RESULTS
	Cycling			
Labels applied to	Samples submitted	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	to temperature	300 mm/minute (11.8	less than 12.5	12.5 N/25mm
plates prepared	cycling in	in/minute) in	N/25mm (45.4	(45.4 oz/in)
according to	accordance with	accordance with	oz/in)	PASS
Appendix B, using	Appendix F.	Appendix D.		
a 2 kg (4.4 lb)		Average adhesion and		100%
rubber coated		percentage of readings		
roller according to		above specification		Meen Adhesien
Appendix A3.		recorded.		Mean Adhesion
				24.8 N/25-
				24.8 N/25mm
				(90.0 oz/in)

Product: FLEXcon DRUMcal[™] PE-350-FWM P/T/P V-344DL LABEL BASE MATERIAL BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.5 – Color Fastness of Base Material					
Weathering	Color Fastness	Hue	Specification	RESULTS	
Tests carried out on samples exposed for 14 weeks at marine half tide site for Part 4.1.	Grey scale measurements according to Appendix G.	Visual Assessment	Color fastness rating not less than 2 compared with unweathered specimen. Color to remain recognizable as original hue.	Color Fastness PASS 4 ¹ / ₂ Hue PASS Remained recognizable as original hue.	

TESTED BY: Adhesive Technical Services Ltd., P.O. Box 51, Botany Way, Beacon Hill Industrial Estate. Purfleet, Essex RM 16 1SY Telephone: 01708 867355 Fax: 01708 869804

FLEXcon BS 5609 COMPLIANCE SUMMARYY REPORT

Product:FLEXcon DRUMcalTM **PE-380-F WHITE MATTE P/T/P V-344DL LABEL BASE MATERIAL**
3.5 mil print treated flexible white matte polyethylene with an aggressive high performance acrylic
adhesive. Thermal transfer printable.

BS 5609 Section Two (February 11, 1998)

CONCLUSIONS: FLEXcon DRUMcal[™] PE-380-F WHITE MATTE P/T/P V-344DL label base material meets the requirements of BS 5609 Section Two. Pressure-Sensitive, Adhesive Coated Label Base Material.

TEST METHOD – Section	TEST METHOD – Section Two, Part 4.1 – Marine Performance Test						
Marine Exposure	Adhesion	Specification	RESULTS				
14 weeks exposure on south facing aluminum	180° peel adhesion at 300 mm/minute (11.8 in/minute)	80% of readings not less than 10 N/25mm (36.3	Readings not Less Than 10 N/25mm (36.3 oz/in)				
panel at Adhesive Technical Services' half tide site, on the Essex coast. Tests carried out	according to BS 5609 Appendix D. Average adhesion and percentage of readings above specification	oz/in)	PASS 100%				
according to BS 5609 Appendix C. Labels applied according to BS	recorded.		Mean Adhesion				
5609 Appendix A1, to panels prepared according to Appendix B.			14.6 N/25mm (53.0 oz/in)				

TEST METHOD – Section	TEST METHOD – Section Two, Part 4.2.1 – Dimensional Stability					
Weathering	Measurement	Specification	RESULTS			
Tests carried out on samples exposed for 14 weeks at marine half tide	Samples measured in both directions before and after weathering. Samples	Dimensions shall not alter by more than $+1\%$ or -3% .	Maximum Increase in Dimension PASS			
site for Part 4.1.	conditioned for 48 hours at $23^{\circ}C$ (73.4°F) and 50+/-%		+0.1%			
	relative humidity prior to measuring. Maximum increase and decrease in		Maximum Decrease in Dimension PASS			
	dimensions and average change recorded.		-0.3%			
			Average Change in Dimensions			
			-0.02%			

Product: FLEX con DRUM cal[™] PE-380-F WHITE MATTE P/T/P V-344DL LABEL BASE MATERIAL BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.2 – Adhesion After 48 Hours					
Application	Measurement	Specification	RESULTS		
Labels applied to aluminum test plates prepared according to	180° peel adhesion at 300 mm/minute (11.8 in/minute) in accordance with Appendix D.	80% of readings not less than 12.5 N/25mm (45.4 oz/in)	Readings not Less Than 12.5 N/25mm (45.4 oz/in) PASS		
Appendix B, using a 2 kg (4.4 lb) rubber coated roller according	Average adhesion and percentage of readings above specification recorded.		100%		
to Appendix A3.			Mean Adhesion		
			28.2 N/25mm (102.4 oz/in)		

TEST METHOD – Section Two, Part 4.2.3 – Adhesion After Artificial Weathering				
Application	Weathering	Measurement	Specification	RESULTS
Labels applied to	Samples exposed to	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	laboratory artificial	300 mm/minute (11.8	less than	12.5 N/25mm
plates prepared	weathering in	in/minute) in	12.5 N/25mm (45.4	(45.4 oz/in) <i>PASS</i>
according to	accordance with	accordance with	oz/in)	
Appendix B, using	Appendix E.	Appendix D.		100%
a 2 kg (4.4 lb)		Average adhesion and		
rubber coated		percentage of readings		Mean Adhesion
roller according to		above specification		Mean Aunesion
Appendix A3.		recorded.		14.3 N/25mm
				(51.9 oz/in)

TEST METHOD – Section Two, Part 4.2.4 – Adhesion After Temperature Cycling				
Application	Temperature	Measurement	Specification	RESULTS
	Cycling			
Labels applied to	Samples submitted	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	to temperature	300 mm/minute (11.8	less than 12.5	12.5 N/25mm
plates prepared	cycling in	in/minute) in	N/25mm (45.4	(45.4 oz/in)
according to	accordance with	accordance with	oz/in)	PASS
Appendix B, using a 2 kg (4.4 lb) rubber coated	Appendix F.	Appendix D. Average adhesion and percentage of readings		100%
roller according to Appendix A3.		above specification recorded.		Mean Adhesion
				17.2 N/25mm (62.4 oz/in)

Product: FLEX con DRUM cal[™] PE-380-F WHITE MATTE P/T/P V-344DL LABEL BASE MATERIAL BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.5 – Color Fastness of Base Material					
Weathering	Color Fastness	Hue	Specification	RESULTS	
Tests carried out on samples exposed	Grey scale measurements	Visual Assessment	Color fastness rating not less than 2	Color Fastness PASS	
for 14 weeks at marine half tide site	according to Appendix G.		compared with unweathered	4	
for Part 4.1.			specimen. Color to remain recognizable	Hue PASS	
			as original hue.	Remained recognizable as original hue.	

TESTED BY: Adhesive Technical Services Ltd., P.O. Box 51, Botany Way, Beacon Hill Industrial Estate. Purfleet, Essex RM 161SY Telephone: 01708 867355 Fax: 01708 869804

FLEXcon BS 5609 COMPLIANCE SUMMARYY REPORT

Product:FLEXcon DRUMcal[™] PE-380-FWM T/C-238 V-344DL LABEL BASE MATERIAL
3.8 mil thermal transfer printable topcoated flexible white matte polyethylene with an aggressive high
performance permanent acrylic adhesive. Thermal transfer printable.

BS 5609 Section Two (February 11, 1998)

CONCLUSIONS: FLEXcon DRUMcal[™] PE-380-FWM T/C-238 V-344DL label base material meets the requirements of BS 5609 Section Two. Pressure-Sensitive, Adhesive Coated Label Base Material.

TEST METHOD – Section Two, Part 4.1 – Marine Performance Test					
Marine Exposure	Adhesion	Specification	RESULTS		
14 weeks exposure on south facing aluminum	180° peel adhesion at 300 mm/minute (11.8 in/minute)	80% of readings not less than 10 N/25mm (36.3	Readings not Less Than 10 N/25mm (36.3 oz/in)		
panel at Adhesive	according to BS 5609	oz/in)	PASS		
Technical Services' half tide site, on the Essex coast. Tests carried out	Appendix D. Average adhesion and percentage of readings above specification		100%		
according to BS 5609 Appendix C. Labels applied according to BS	recorded.		Mean Adhesion		
5609 Appendix A1, to panels prepared according to Appendix B.			14.4 N/25mm (52.3 oz/in)		

TEST METHOD – Section Two, Part 4.2.1 – Dimensional Stability					
Weathering	Measurement	Specification	RESULTS		
Tests carried out on samples exposed for 14 weeks at marine half tide	Samples measured in both directions before and after weathering. Samples	Dimensions shall not alter by more than $+1\%$ or -3% .	Maximum Increase in Dimension PASS		
site for Part 4.1.	conditioned for 48 hours at $23^{\circ}C$ (73.4°F) and 50+/-%		0.0%		
	relative humidity prior to measuring. Maximum increase and decrease in		Maximum Decrease in Dimension PASS		
	dimensions and average change recorded.		-0.1%		
			Average Change in Dimensions		
			-0.03%		

Product: FLEXcon DRUMcal[™] PE-380-FWM T/C-238 V-344DL LABEL BASE MATERIAL BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.2 – Adhesion After 48 Hours					
Application	Measurement	Specification	RESULTS		
Labels applied to	180° peel adhesion at 300	80% of readings not less	Readings not Less Than		
aluminum test plates	mm/minute (11.8 in/minute) in	than 12.5 N/25mm (45.4	12.5 N/25mm (45.4 oz/in)		
prepared according to	accordance with Appendix D.	oz/in)	PASS		
Appendix B, using a 2 kg (4.4 lb) rubber coated roller according	Average adhesion and percentage of readings above specification recorded.		100%		
to Appendix A3.			Mean Adhesion		
			19.6 N/25mm		
			(71.2 oz/in)		

TEST METHOD – Section Two, Part 4.2.3 – Adhesion After Artificial Weathering				
Application	Weathering	Measurement	Specification	RESULTS
Labels applied to	Samples exposed to	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	laboratory artificial	300 mm/minute (11.8	less than	12.5 N/25mm
plates prepared	weathering in	in/minute) in	12.5 N/25mm (45.4	(45.4 oz/in) <i>PASS</i>
according to	accordance with	accordance with	oz/in)	
Appendix B, using	Appendix E.	Appendix D.		100%
a 2 kg (4.4 lb)		Average adhesion and		
rubber coated		percentage of readings		Mean Adhesion
roller according to		above specification		Mean Addesion
Appendix A3.		recorded.		16.5 N/25mm
				(59.9 oz/in)

TEST METHOD – Section Two, Part 4.2.4 – Adhesion After Temperature Cycling				
Application	Temperature	Measurement	Specification	RESULTS
	Cycling			
Labels applied to	Samples submitted	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	to temperature	300 mm/minute (11.8	less than 12.5	12.5 N/25mm
plates prepared	cycling in	in/minute) in	N/25mm (45.4	(45.4 oz/in)
according to	accordance with	accordance with	oz/in)	PASS
Appendix B, using	Appendix F.	Appendix D.		
a 2 kg (4.4 lb)		Average adhesion and		100%
rubber coated		percentage of readings		
roller according to		above specification		Marrie Adhartan
Appendix A3.		recorded.		Mean Adhesion
				10.2 N/25-
				19.2 N/25mm
				(69.7 oz/in)

Product: FLEXcon DRUMcal[™] PE-380-FWM T/C-238 V-344DL LABEL BASE MATERIAL BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.5 – Color Fastness of Base Material					
Weathering	Color Fastness	Hue	Specification	RESULTS	
Tests carried out on samples exposed for 14 weeks at marine half tide site for Part 4.1.	Grey scale measurements according to Appendix G.	Visual Assessment	Color fastness rating not less than 2 compared with unweathered specimen. Color to remain recognizable as original hue.	Color Fastness PASS 4 ¹ / ₂ Hue PASS Remained recognizable as original hue.	

TESTED BY: Adhesive Technical Services Ltd., P.O. Box 51, Botany Way, Beacon Hill Industrial Estate. Purfleet, Essex RM 16 1SY Telephone: 01708 867355 Fax: 01708 869804

FLEXcon BS 5609 COMPLIANCE SUMMARY REPORT

Product:FLEXcon DRUMcal[™] PE-380-FWM T/C-354 V-344DL LABEL BASE MATERIAL
3.8 mil matte topcoated flexible white matte polyethylene with an aggressive high performance
permanent acrylic adhesive. Dot matrix/impact printable.

BS 5609 Section Two (February 11, 1998)

CONCLUSIONS: FLEXcon DRUMcal[™] PE-380-FWM T/C-354 V-344DL label base material meets the requirements of BS 5609 Section Two. Pressure-Sensitive, Adhesive Coated Label Base Material.

TEST METHOD – Section Two, Part 4.1 – Marine Performance Test					
Marine Exposure Adhesion Specification		Specification	RESULTS		
14 weeks exposure on south facing aluminum	180° peel adhesion at 300 mm/minute (11.8 in/minute)	80% of readings not less than 10 N/25mm (36.3	Readings not Less Than 10 N/25mm (36.3 oz/in)		
panel at Adhesive	according to BS 5609	oz/in)	PASS		
Technical Services' half tide site, on the Essex coast. Tests carried out	Appendix D. Average adhesion and percentage of readings above specification		100%		
according to BS 5609 Appendix C. Labels applied according to BS	recorded.		Mean Adhesion		
5609 Appendix A1, to panels prepared according to Appendix B.			19.4 N/25mm (70.4 oz/in)		

TEST METHOD – Section Two, Part 4.2.1 – Dimensional Stability					
Weathering	Measurement	Specification	RESULTS		
Tests carried out on samples exposed for 14 weeks at marine half tide	Samples measured in both directions before and after weathering. Samples	Dimensions shall not alter by more than $+1\%$ or -3% .	Maximum Increase in Dimension PASS		
site for Part 4.1.	conditioned for 48 hours at $23^{\circ}C$ (73.4°F) and 50+/-%		0.0%		
	relative humidity prior to measuring. Maximum increase and decrease in		Maximum Decrease in Dimension PASS		
	dimensions and average change recorded.		-0.2%		
			Average Change in Dimensions		
			-0.03%		

Product: FLEXcon DRUMcal[™] PE-380-FWM T/C-354 V-344DL LABEL BASE MATERIAL BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.2 – Adhesion After 48 Hours					
Application	Measurement Specification		RESULTS		
Labels applied to	180° peel adhesion at 300	80% of readings not less	Readings not Less Than		
aluminum test plates	mm/minute (11.8 in/minute) in	than 12.5 N/25mm (45.4	12.5 N/25mm (45.4 oz/in)		
prepared according to	accordance with Appendix D.	oz/in)	PASS		
Appendix B, using a 2 kg (4.4 lb) rubber coated roller according	Average adhesion and percentage of readings above specification recorded.		100%		
to Appendix A3.			Mean Adhesion		
			19.6 N/25mm		
			(71.2 oz/in)		

TEST METHOD – Section Two, Part 4.2.3 – Adhesion After Artificial Weathering					
Application	Weathering	Measurement	Specification	RESULTS	
Labels applied to	Samples exposed to	180° peel adhesion at	80% of readings not	Readings not Less Than	
aluminum test	laboratory artificial	300 mm/minute (11.8	less than	12.5 N/25mm	
plates prepared	weathering in	in/minute) in	12.5 N/25mm (45.4	(45.4 oz/in) <i>PASS</i>	
according to	accordance with	accordance with	oz/in)		
Appendix B, using	Appendix E.	Appendix D.		100%	
a 2 kg (4.4 lb)		Average adhesion and			
rubber coated		percentage of readings		Mean Adhesion	
roller according to		above specification		Mean Aunesion	
Appendix A3.		recorded.		19.0 N/25mm	
				(69.0 oz/in)	

TEST METHOD – Section Two, Part 4.2.4 – Adhesion After Temperature Cycling				
Application	Temperature	Measurement	Specification	RESULTS
	Cycling			
Labels applied to	Samples submitted	180° peel adhesion at	80% of readings not	Readings not Less Than
aluminum test	to temperature	300 mm/minute (11.8	less than 12.5	12.5 N/25mm
plates prepared	cycling in	in/minute) in	N/25mm (45.4	(45.4 oz/in)
according to	accordance with	accordance with	oz/in)	PASS
Appendix B, using	Appendix F.	Appendix D.		
a 2 kg (4.4 lb)		Average adhesion and		100%
rubber coated		percentage of readings		
roller according to		above specification		Maran Adhartan
Appendix A3.		recorded.		Mean Adhesion
				20.1 N/25-
				20.1 N/25mm
				(73.0 oz/in)

Product: FLEX con DRUM cal[™] PE-380-FWM T/C-354 V-344DL LABEL BASE MATERIAL BS 5609 Section Two – continued

TEST METHOD – Section Two, Part 4.2.5 – Color Fastness of Base Material					
Weathering	Color Fastness	Hue	Specification	RESULTS	
Tests carried out on samples exposed	Grey scale measurements	Visual Assessment	Color fastness rating not less than 2	Color Fastness PASS	
for 14 weeks at marine half tide site	according to Appendix G.		compared with unweathered	3	
for Part 4.1.			specimen.	Hue PASS	
				Remained recognizable as original hue.	

TESTED BY: Adhesive Technical Services Ltd., P.O. Box 51, Botany Way, Beacon Hill Industrial Estate. Purfleet, Essex RM 16 1SY Telephone: 01708 867355 Fax: 01708 869804

Product: FLEXcon DRUMcal[™] V310F WHITE TC-274 V-224 73 RB/FR TO BS 5609 Section Two

CONCLUSIONS: FLEXcon label base materials reference "Drumcal V310 F WHITE TC-274 V-224 74 RB/FR

TEST METHOD – Section Two, Part 4.1 – Marine Performance Test						
Marine Exposure Adhesion		Specification	RESULTS			
13 weeks exposure on	180° peel adhesion at	80% of readings not less	Readings not Less Than			
south facing aluminum	300mm/minute according	than 10 N/25mm	10 N/25mm (36.3 oz/in)			
panel at Adhesive	to BS 5609 Appendix D.		PASS			
Technical Services' half	Average adhesion and					
tide site, on the Essex	percentages of readings		100%			
coast, Tests carried out	above specification					
according to BS 5609	recorded.					
Appendix C. Labels			Mean Adhesion			
applied according to BS						
5609 Appendix A1, to						
panels prepared according			Approximately 37 N/25mm			
to Appendix B			Approximatery 37 W/25mm			
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