

ENCRAFT Xenotest Accelerated weathering testing of white window profile.

Summary

A sample of window profile manufactured by Encraft was tested by Xenotest Accelerated weathering according to ISO 4892-2.

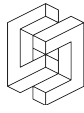
Test Conditions.

Standard	I	SO 4892-2
Equipment		Xenotest Beta-LM
Light Source		NXE 2200
Black panel Temperature		60°C
Relative Humidity		65%
Dry cycle		102 minutes
Wet cycle		18 minutes
Colour Measurement		Minolta CM2002 Light (D65/10)

Results

Colour Change

Exposure time	ΔE	Δb
4000 hours	1.50	-0.84
6000 hours	1.26	-0.97
8000 hours	0.99	-0.91

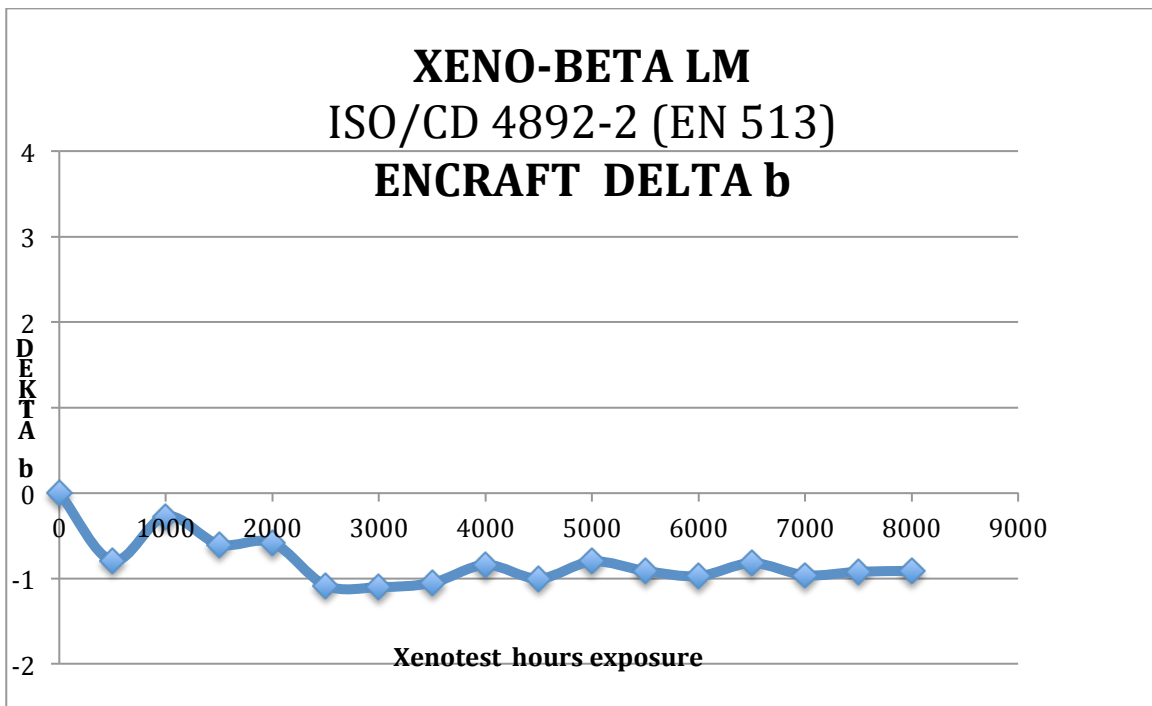
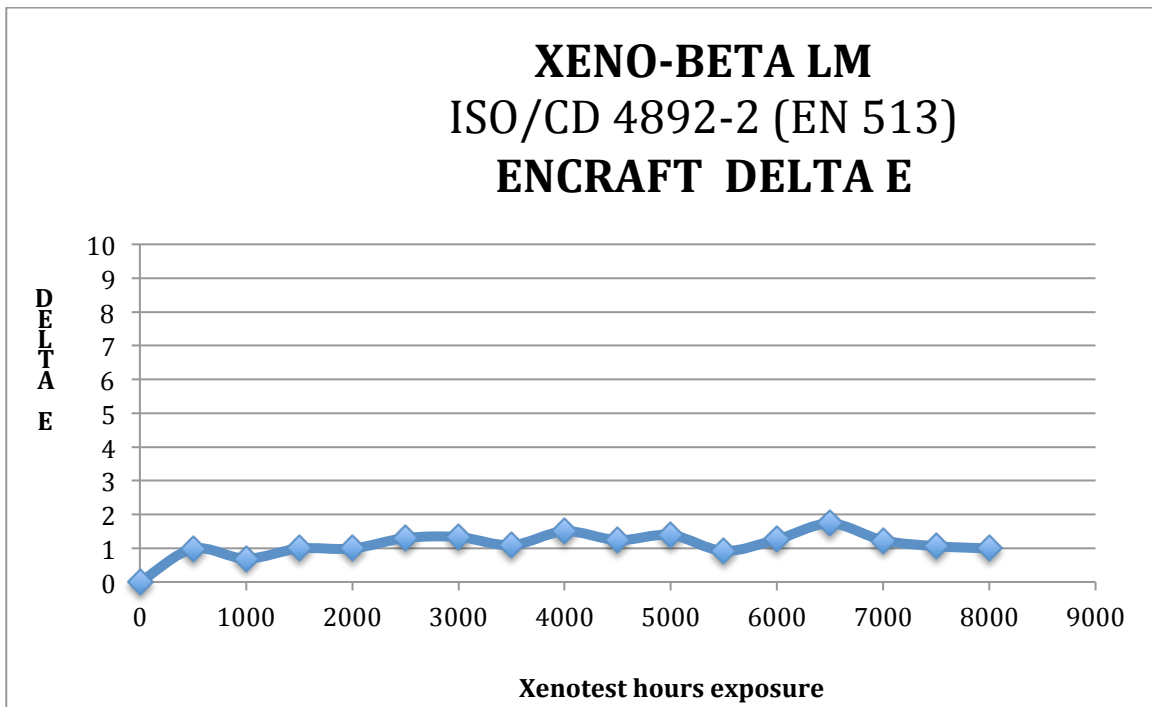
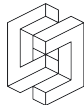


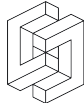
Dalian Chemson
Chemical Products Co. Ltd.

Conclusions

The Encraft white window profile showed excellent weathering resistance. Very low ΔE and Δb values were seen up to the 8000 hours completion of the test.

Colin Campbell





Dalian Chemson

Chemical Products Co. Ltd.

				Weathering				Order #	694 K		
				Customer	Application			Client	Russel		
				CSH	Profile			Order date	02.07.2008		
								Cost center	70/7370		
								Testbegin	03.07.2008		
								Testend	22.06.2009		
Method : ISO CD 4892-2 Equipment : XENOTEST BETA-LM Light source : NXE 2200 Remarks : Colour measuring : Minolta CM 2002 (light: D65/10)				Parameters : black-panel temperature : relative humidity : dry cycle : spray cycle :				[°C]	[%]	[min.]	
								60	65		
										102	
										18	
hours/#	L	a	b	dL	da	db	dE	DIN 6167 (Yi)	CIE (D 65/10) (Wi)		
694 K-1	94,36	-0,60	1,45						3,59	79,46	
500 Xeno-hours/1	94,93	-0,50	0,66	0,58	0,10	-0,79	0,98		2,15	84,45	
1000 Xeno-hours/1	93,73	-0,61	1,18	-0,63	-0,01	-0,27	0,69		3,07	79,20	
1500 Xeno-hours/1	95,14	-0,59	0,85	0,79	0,02	-0,60	0,99		2,47	84,09	
2000 Xeno-hours/1	95,16	-0,57	0,87	0,81	0,04	-0,58	0,99		2,53	84,03	
2500 Xeno-hours/1	95,09	-0,56	0,37	0,73	0,04	-1,08	1,30		1,55	86,12	
3000 Xeno-hours/1	95,10	-0,59	0,36	0,75	0,01	-1,10	1,33		1,50	86,24	
3500 Xeno-hours/1	94,65	-0,60	0,41	0,30	0,01	-1,05	1,09		1,59	84,94	
4000 Xeno-hours/1	93,11	-0,60	0,62	-1,24		-0,84	1,50		1,99	80,36	
4500 Xeno-hours/1	95,09	-0,65	0,46	0,74	-0,04	-1,00	1,24		1,63	85,75	
5000 Xeno-hours/1	93,21	-0,64	0,65	-1,14	-0,04	-0,80	1,39		2,02	80,42	
5500 Xeno-hours/1	94,50	-0,63	0,54	0,15	-0,02	-0,91	0,92		1,82	83,96	
6000 Xeno-hours/1	95,16	-0,67	0,49	0,80	-0,07	-0,97	1,26		1,66	85,78	
6500 Xeno-hours/1	92,83	-0,65	0,63	-1,52	-0,05	-0,82	1,73		1,96	79,66	
7000 Xeno-hours/1	95,13	-0,67	0,49	0,77	-0,06	-0,96	1,23		1,68	85,67	
7500 Xeno-hours/1	94,87	-0,68	0,53	0,52	-0,08	-0,92	1,06		1,74	84,89	
8000 Xeno-hours/1	93,97	-0,67	0,54	-0,39	-0,06	-0,91	0,99		1,78	82,68	