

Natural Exposure Test



MRK-010-0234



ESPOSIZIONE NATURALE IN FLORIDA:

Esposizione naturale

Le esposizioni naturali vengono condotte in Florida presso il sito espositivo della Atlas Weathering Service; il sud della Florida fornisce infatti un clima caldo umido e ad alto irraggiamento UV. Invecchiamento naturale: tutti i campioni vengono sottoposti all'irraggiamento naturale in Florida. L'esposizione viene effettuata, in conformità allo standard internazionale descritto nella ISO 2810, rispettando le seguenti specifiche:

- esposizione del pannello in direzione sud
- angolo di inclinazione del pannello 5°
- pannello scoperto sul retro

Al termine del periodo di esposizione, pari a 12 mesi, viene valutata la variazione di brillantezza (EN ISO 2813, con angolo di incidenza 60°) ed il cambiamento di colore ΔE (metodo CIELAB ISO 7724/3) rispetto ai valori di partenza. Anche l'esposizione naturale viene monitorata attraverso l'invio di campioni in bianco ad invecchiamento noto.





Figure: Esposizione naturale, campioni esposti all'AWSG in Florida Pictures: Florida Natural Exposure, test samples

Natural Exposure Test

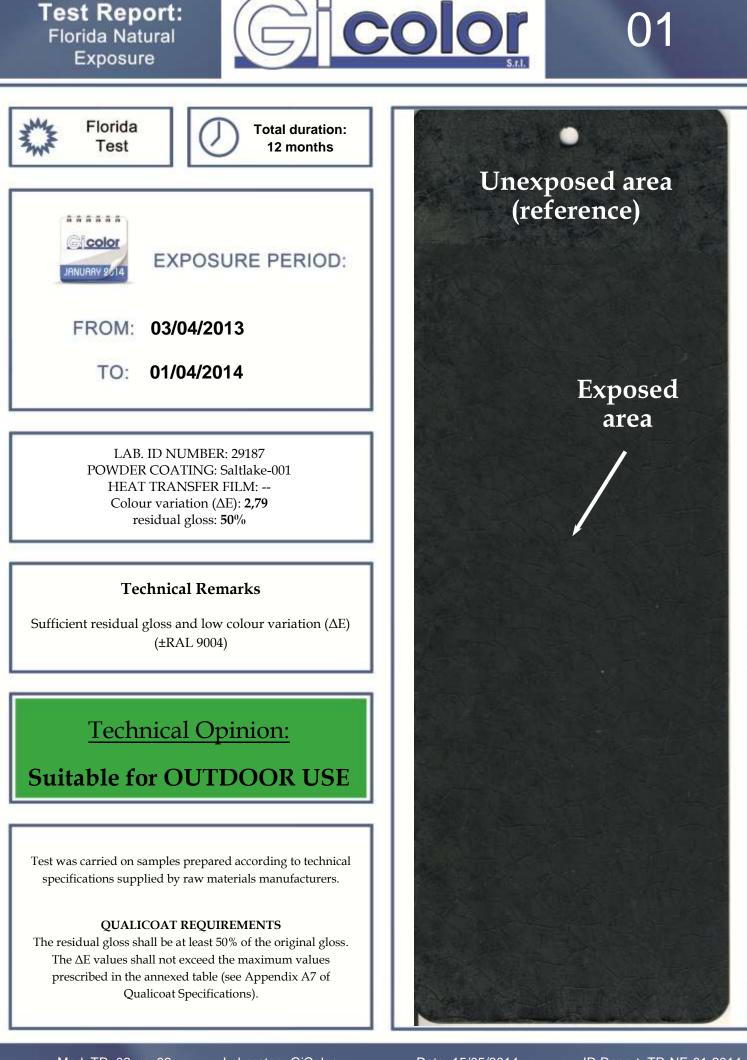
Natural Exposure Tests are conducted in Atlas Weathering Service Sites – Florida. South Florida climate indeed is hot, wet and higly exposed to UV-rays. All samples are subjected to natural irradiation in Florida according to the international standard ISO 2810, i.e. complying with the following specifications:

- facing south
- tilt angle 5° from the horizontal
- open backing.

After 12 months exposure period, residual gloss (EN ISO 2813, with an angle of incidence 60°) and colour variation ΔE (CIELAB method - ISO 7724 / 3) are measured comparing pre-test values. Even the Natural Exposure Test accuracy is verified by through the use of samples in white, whose aging behaviour is known.

ID Test Report	PROD. VERNIC	COD. FILM	PROG. N°	IMMAGINI
TR-NE-01-2014	Saltlake-001	solo base	1	
TR-NE-02-2014	Saltlake-002	solo base	2	
TR-NE-03-2014	Saltlake-003	solo base	3	
TR-NE-04-2014	Saltlake-004	solo base	4	
TR-NE-05-2014	Saltlake-006	solo base	5	
TR-NE-06-2014	Saltlake-007	solo base	6	
TR-NE-07-2014	Saltlake-008	solo base	7	
TR-NE-08-2014	Saltlake-013	solo base	8	
TR-NE-09-2014	Saltlake-014	solo base	9	
TR-NE-10-2014	Saltlake-015	solo base	10	
TR-NE-11-2014	Saltlake-016	solo base	11	
TR-NE-12-2014	Saltlake-017	solo base	12	

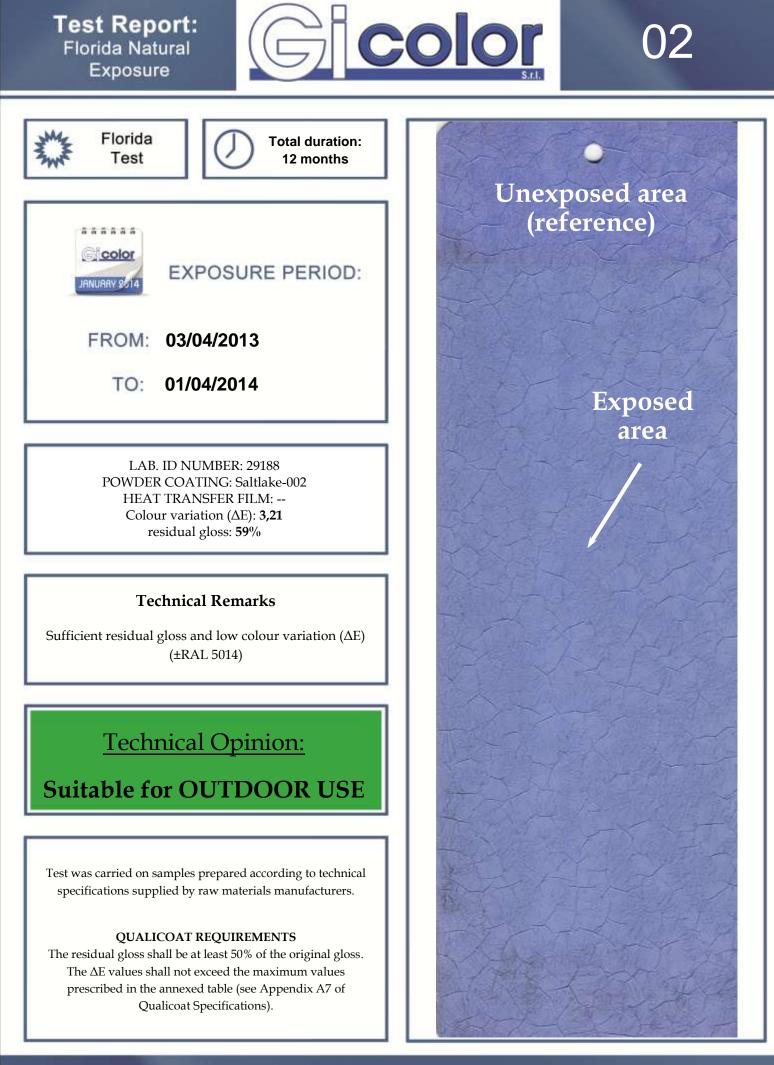
TR-NE-13-2014	Saltlake-018	solo base	13	
TR-NE-14-2014	Saltlake-019	solo base	14	
TR-NE-15-2014	Saltlake-020	solo base	15	
TR-NE-16-2014	Saltlake-021	solo base	16	
TR-NE-17-2014	Saltlake-022	solo base	17	
TR-NE-18-2014	Saltlake-023	solo base		

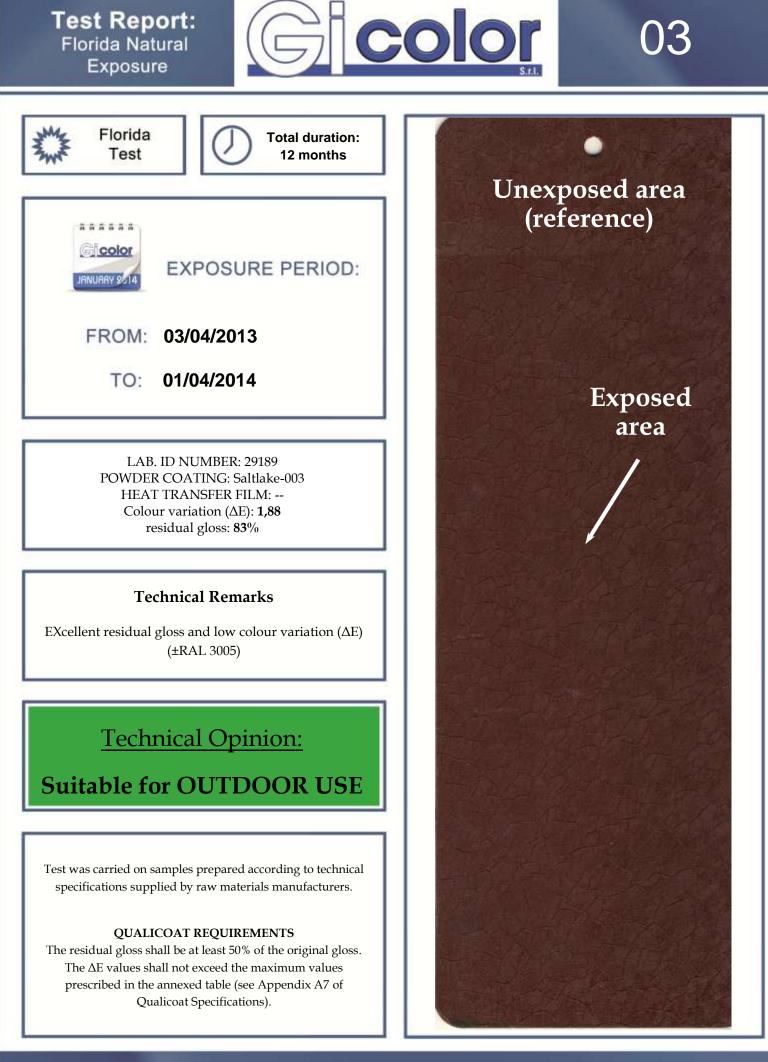


Laboratory GiColor

Date: 15/05/2014

ID Report: TR-NE-01-2014

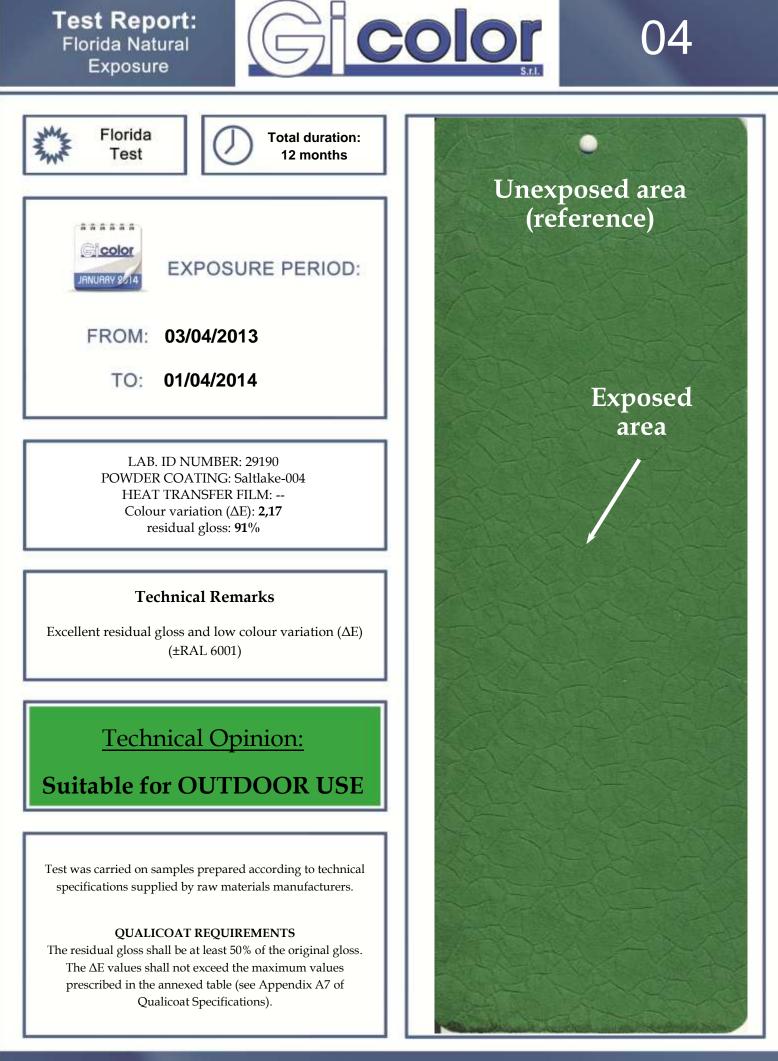




Laboratory GiColor

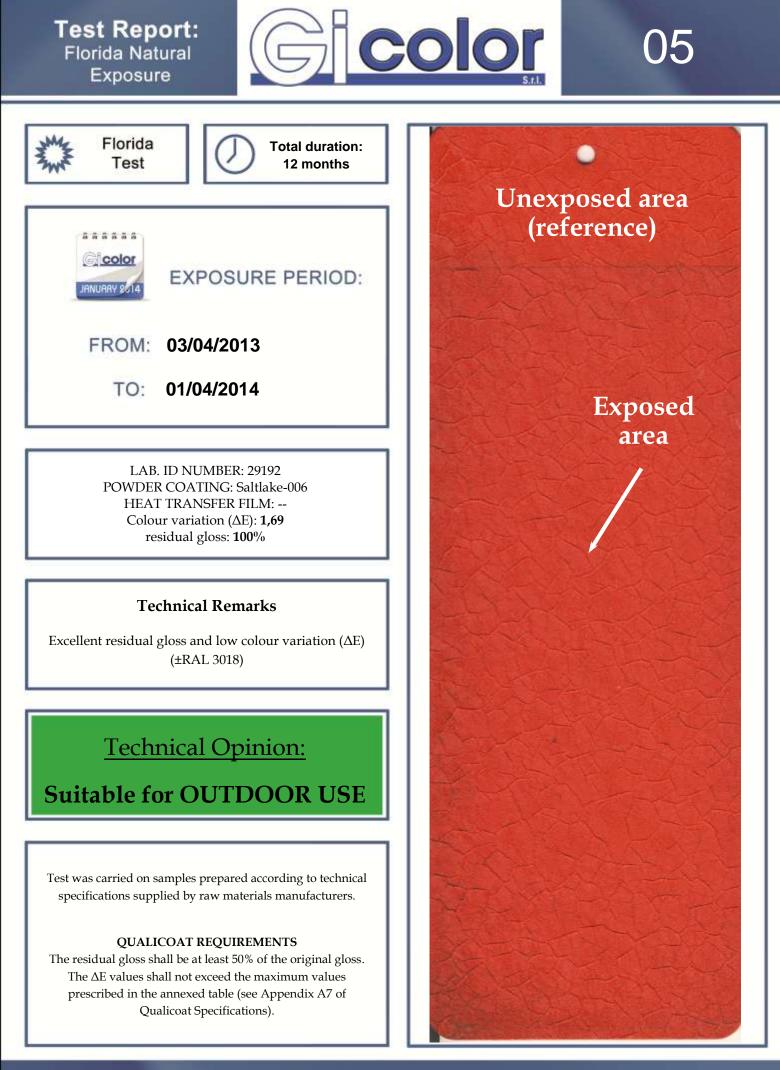
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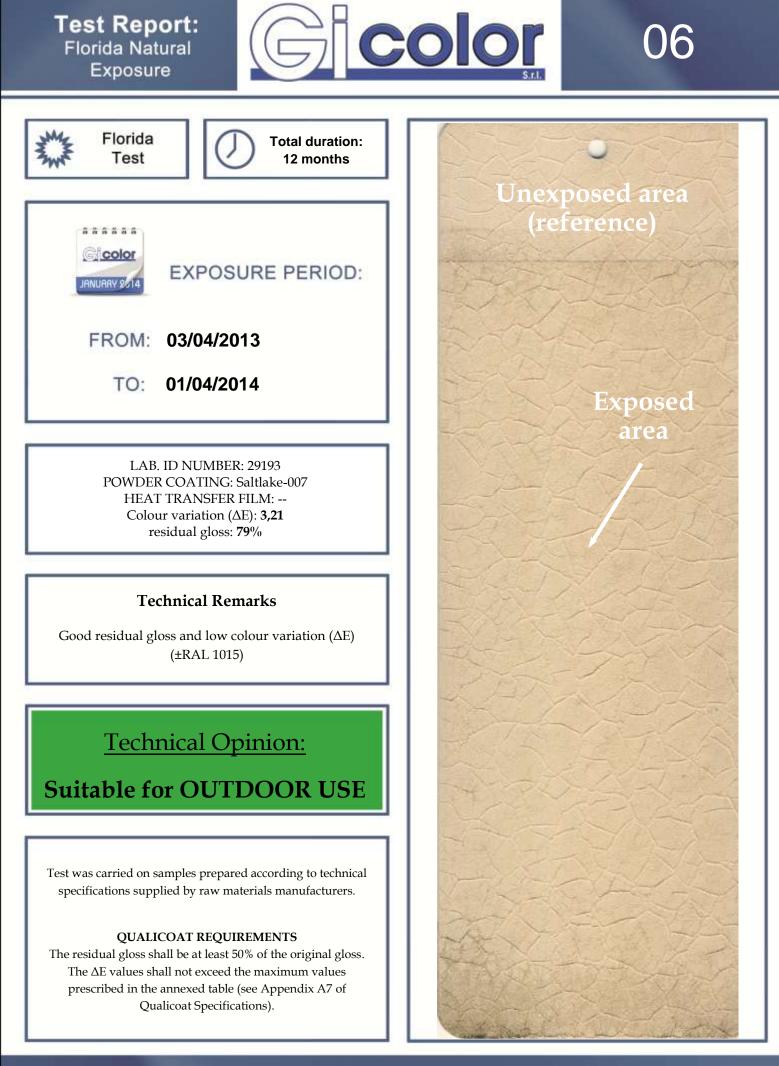
ID Report: TR-NE-03-2014



Laboratory GiColor

ID Report: TR-NE-04-2014

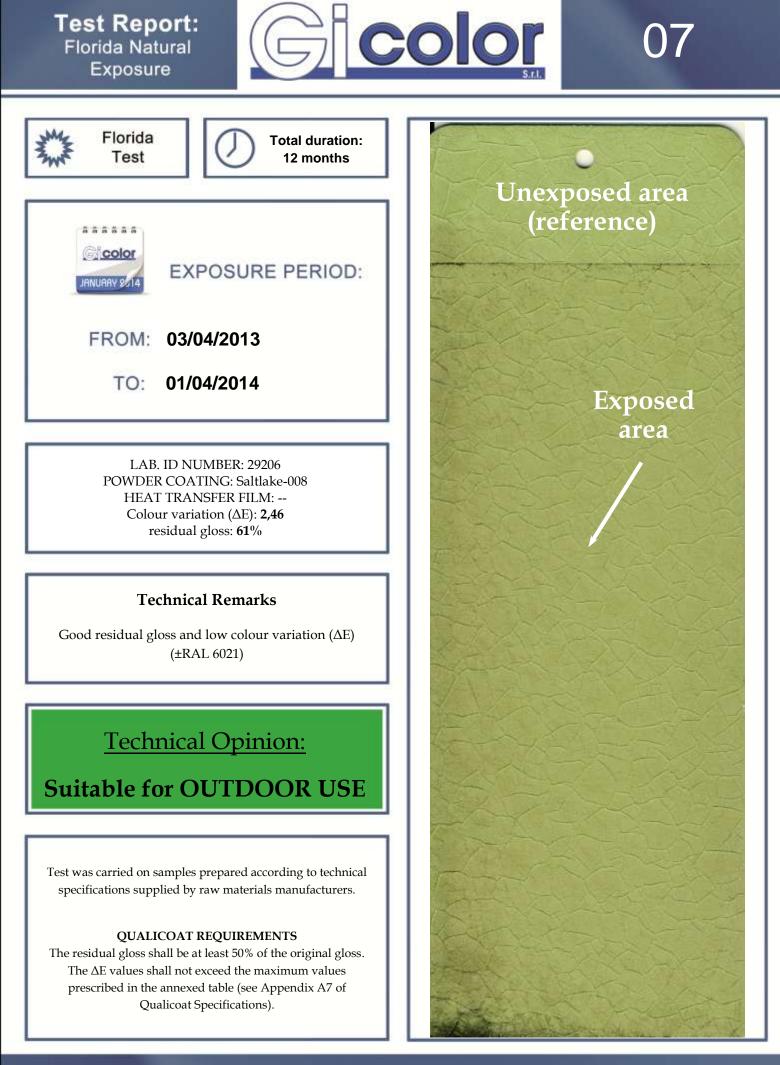


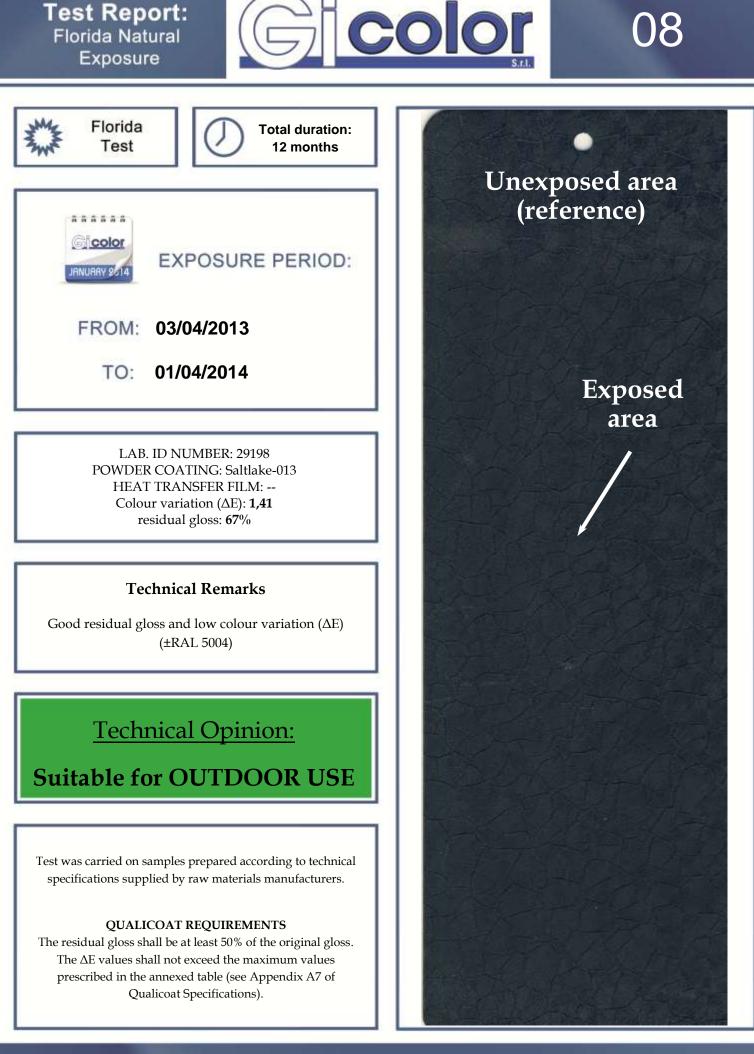


Laboratory GiColor

Date: 15/05/2014

ID Report: TR-NE-06-2014

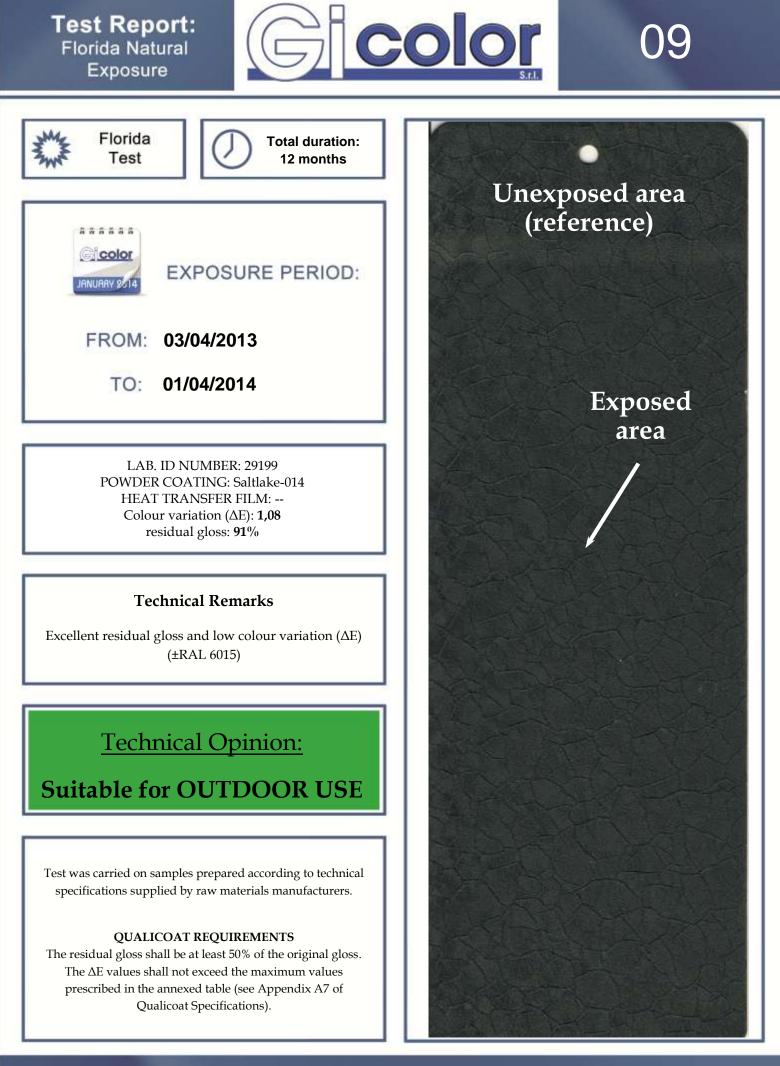




Laboratory GiColor

Date: 15/05/2014

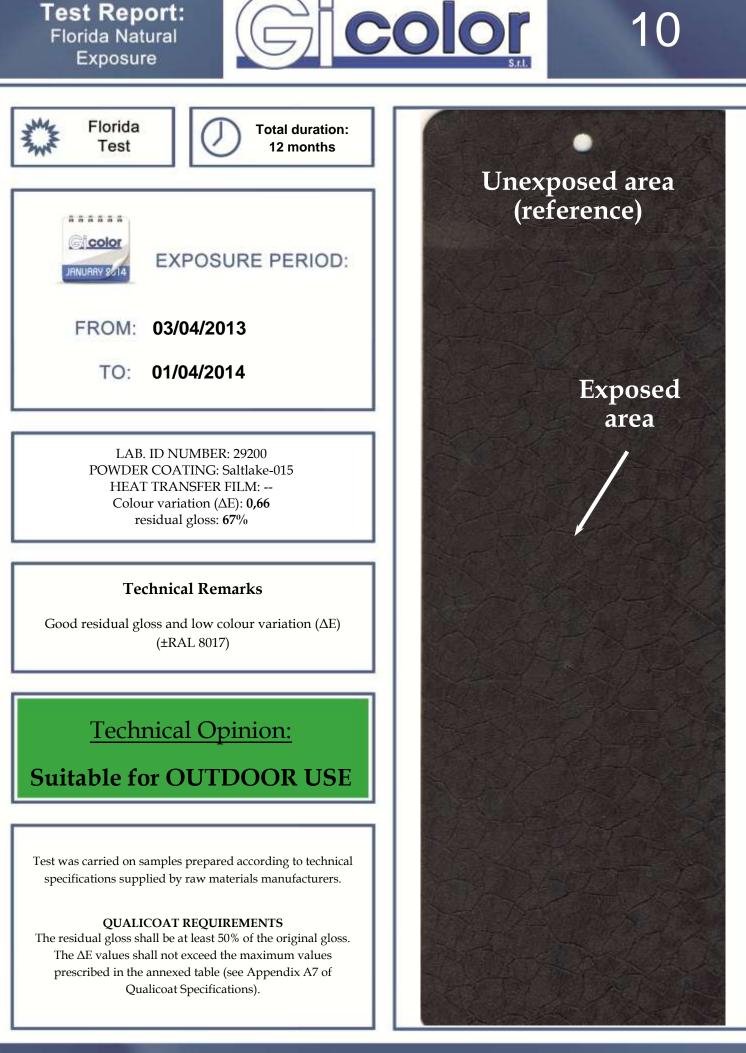
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Laboratory GiColor

Date: 15/05/2014

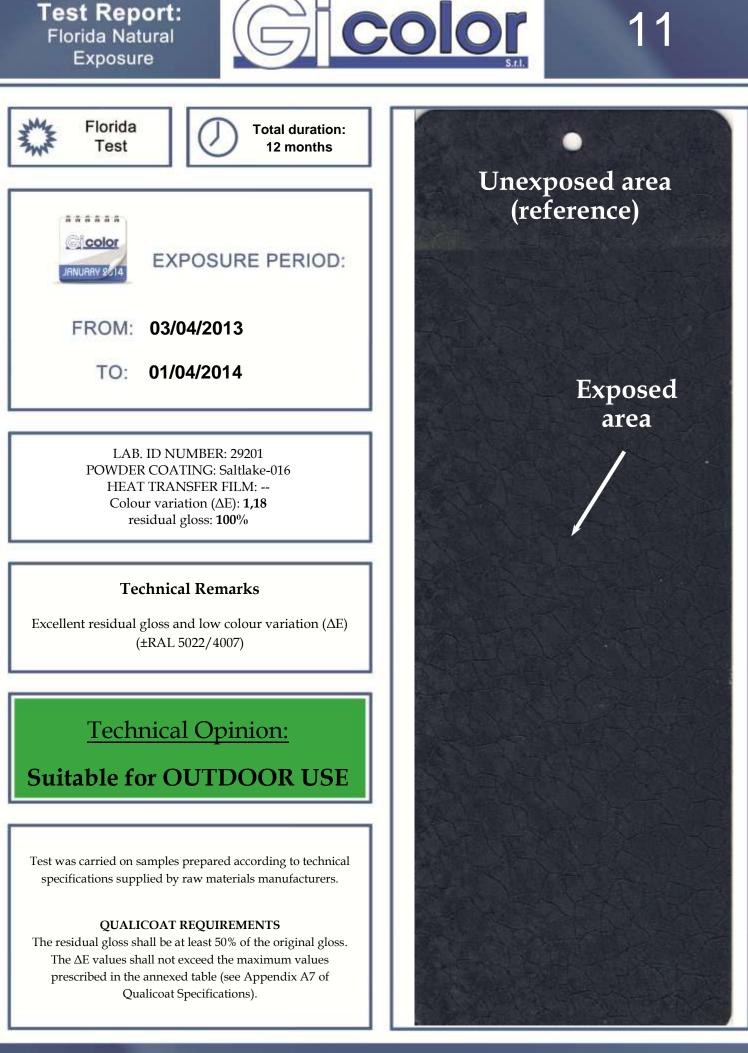
ID Report: TR-NE-09-2014



Laboratory GiColor

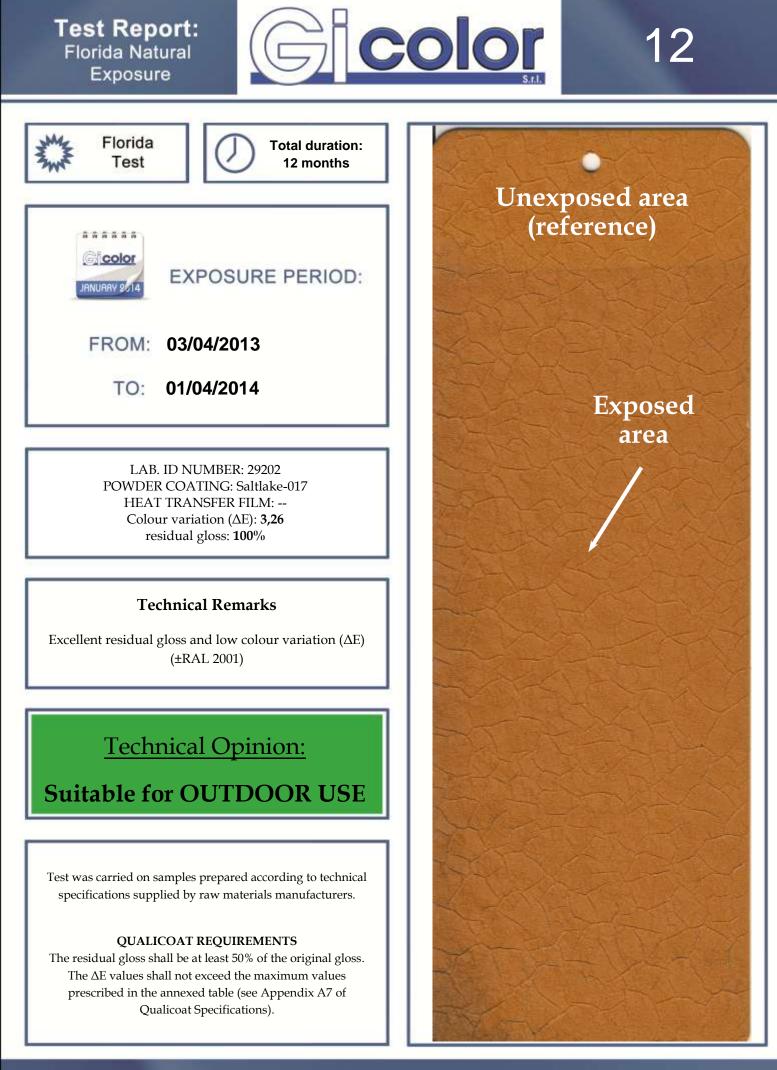
Date: 15/05/2014

ID Report: TR-NE-10-2014



Laboratory GiColor

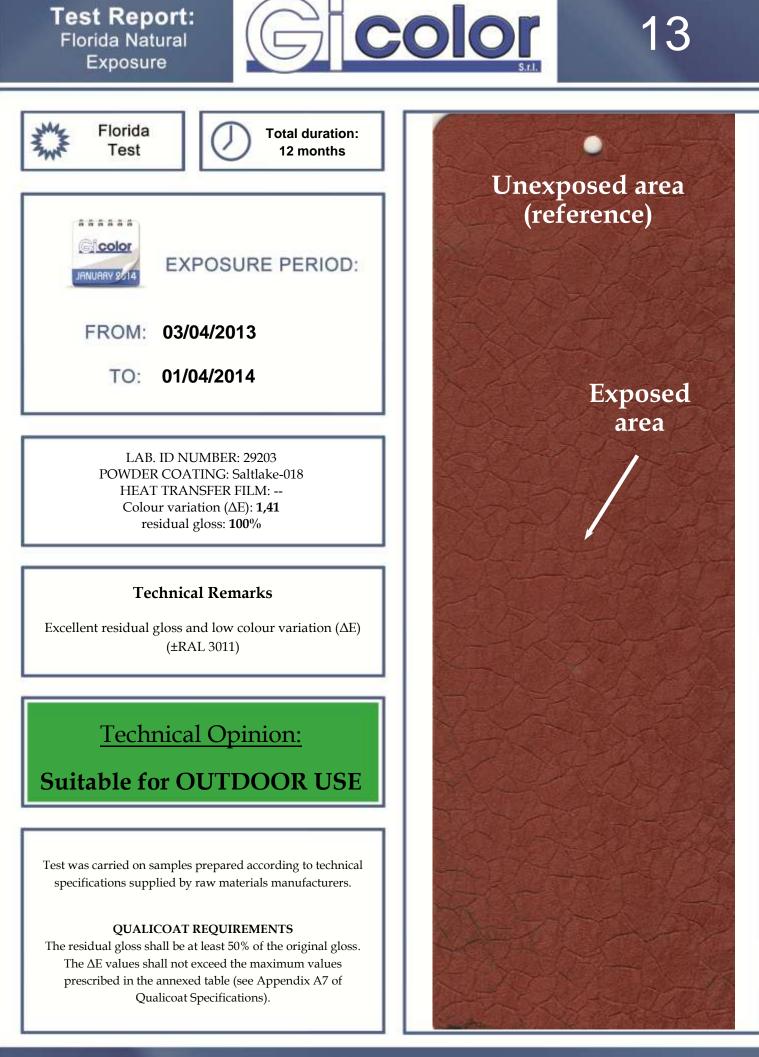
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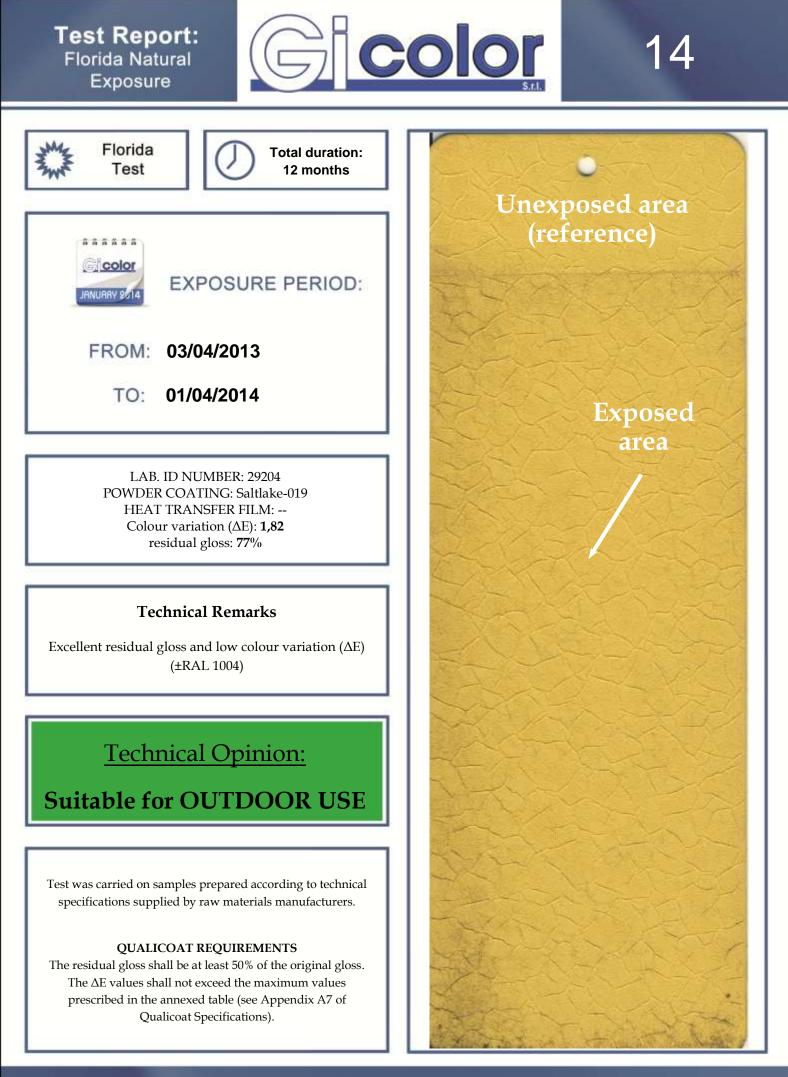


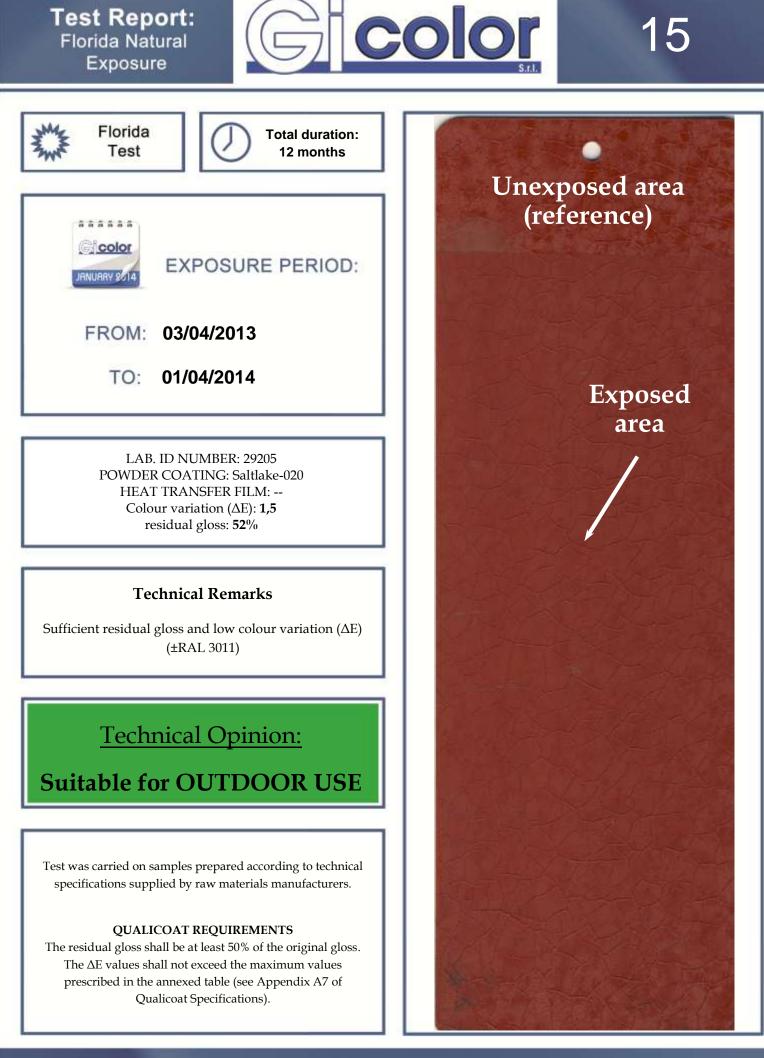
Laboratory GiColor

Date: 15/05/2014

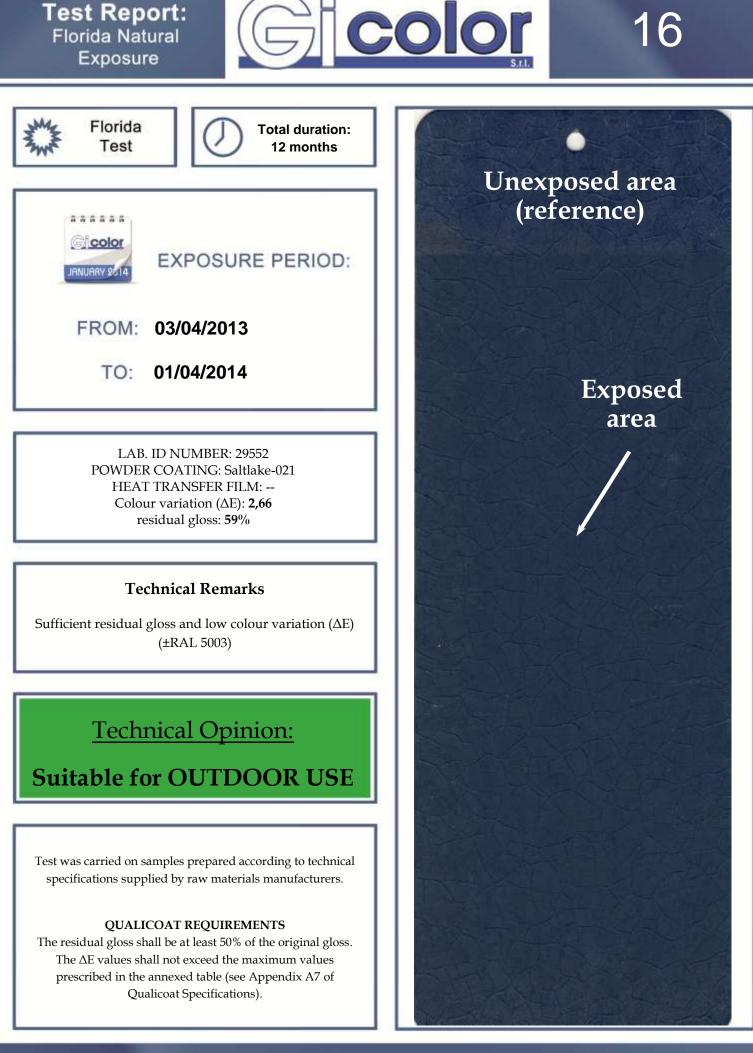
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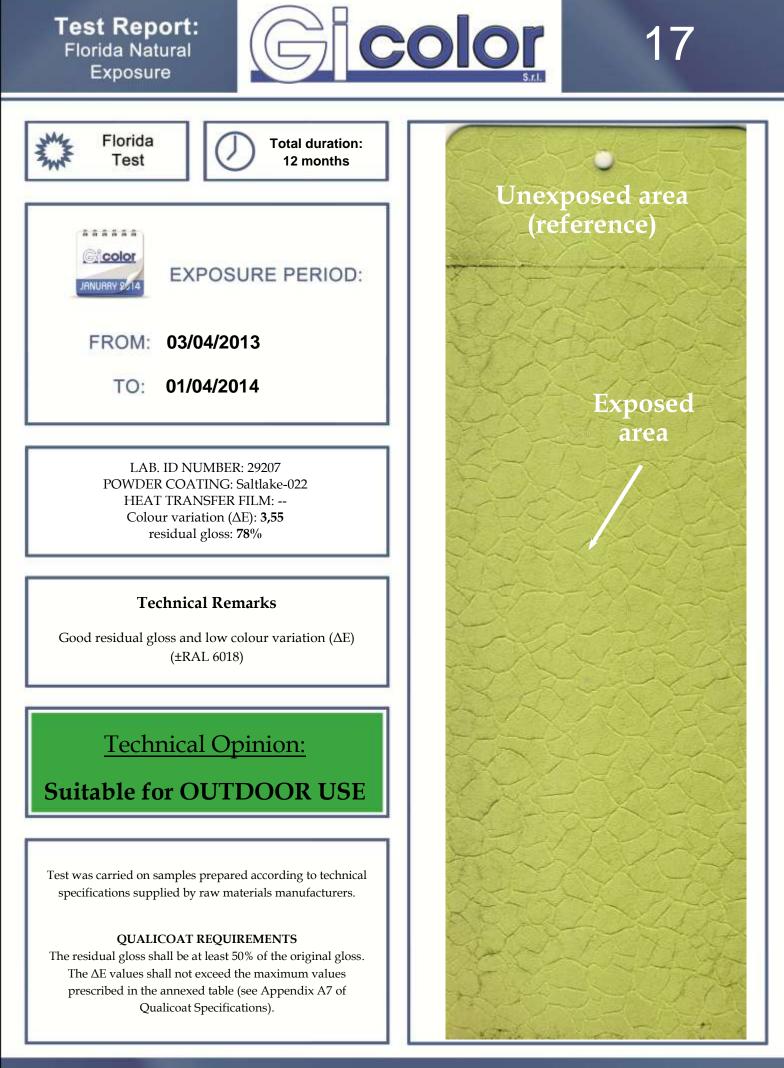


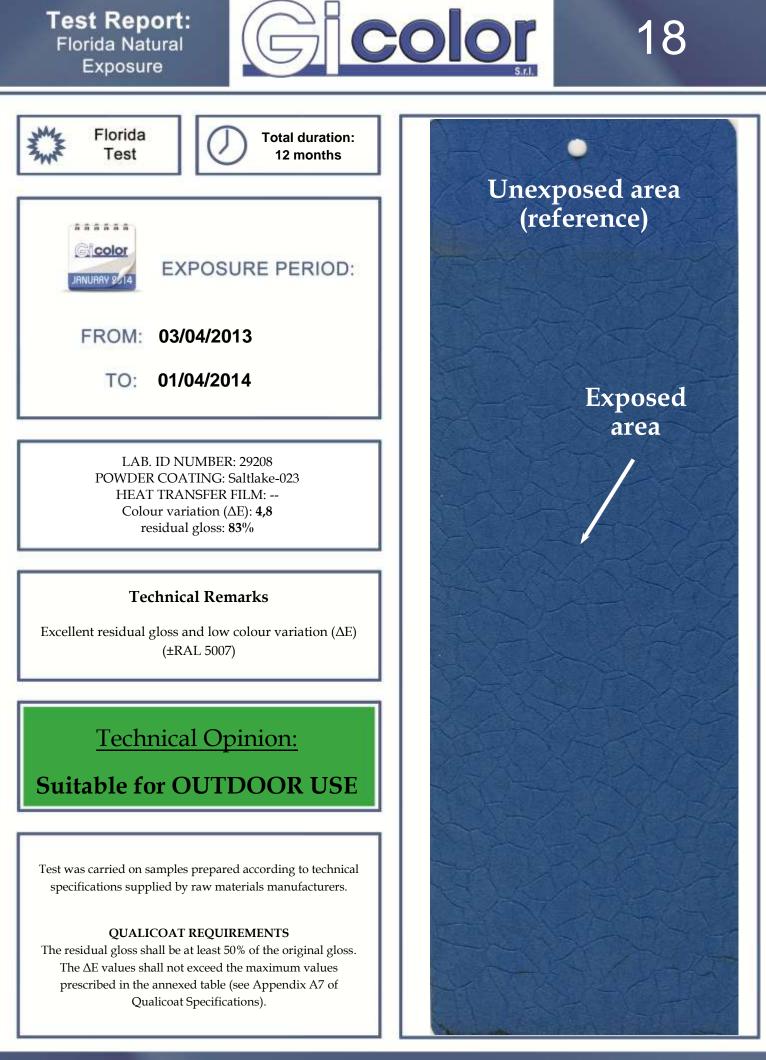
ID Report: TR-NE-15-2014



Laboratory GiColor

ID Report: TR-NE-16-2014





Laboratory GiColor

Date: 15/05/2014

ID Report: TR-NE-18-2014