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November 23, 2009

Report No. 11-502 to: Tung Fong Textile Co., Ltd.
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Homei Changhua 508
Taiwan R.O.C.

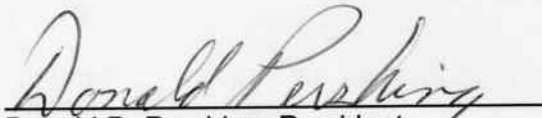
Subject of Report: Solar Heat Control Properties
Of Nine Shade Fabrics

Matrix, Inc. at its Mesa, Arizona, USA, solar laboratory obtained fenestration data for the shade fabrics. The testing was completed on November 20, 2009. The samples were tested in accordance with ASHRAE Standard 74-1988, "Methods of Measuring Solar-Optical Properties of Materials." The samples were supplied and identified by Tung Fong Textile Co., Ltd.

The solar transmittance (T_s), solar reflectance (R_s), solar absorptance (A_s), visible light transmittance (T_v), ultra-violet transmittance (T_{uv}) and Openness-Factor (O-F) were determined for the fabric alone. The Shading Coefficients (SC) were determined for the fabric used with a single light of 1/8 inch double strength glass, a 1/4 inch clear plate and a 1/4 inch heat absorbing (H.A.) plate. The Shading Coefficients are for the fabric hung internally at zero degree profile angle unless otherwise indicated. The test data and calculated results are presented in the following table. The T_s , R_s , A_s , T_v , T_{uv} and O-F are expressed as percentages.

Appendix A accompanying this report must be considered a part of this report and be used when interpreting the following data.

Certified by:

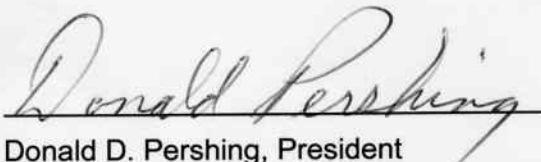

Donald D. Pershing, President
Matrix, Inc.

FENESTRATION PROPERTIES FOR TUNG FONG TEXTILES SHADE FABRICS
 INTERNAL USE ZERO DEGREE PROFILE ANGLE

Description	Ts	Rs	As	Tv	Tuv	O-F	SC		
							1/8" Cl.	1/4" Cl.	1/4" H.A.
96*40/150D*150D									
F70-162 Arctic Glow	20	61	19	15	Tr*	Tr	0.38	0.38	0.34
Dark Side	20	57	23	15	Tr	Tr	0.41	0.40	0.35
F70-163 Candlelight	20	59	21	15	Tr	Tr	0.39	0.39	0.35
Dark Side	20	53	27	15	Tr	Tr	0.44	0.43	0.37
F70-165 Bronzed	7	37	56	4	Tr	Tr	0.52	0.50	0.40
Dark Side	7	21	72	4	Tr	Tr	0.63	0.60	0.46
F70-166 Haze	11	45	44	8	Tr	Tr	0.47	0.46	0.38
Dark Side	11	35	54	8	Tr	Tr	0.54	0.52	0.42
F70-167 Lucent White	23	63	14	18	Tr	Tr	0.37	0.37	0.34
F70-210 Dusky	3	23	74	1	Tr	0	0.60	0.58	0.45
Dark Side	3	16	81	1	Tr	0	0.65	0.62	0.47
F70-211 Ember	Tr	6	94	Tr	Tr	0	0.71	0.67	0.50
Dark Side	Tr	4	96	Tr	Tr	0	0.72	0.69	0.50
F70-216 Misty	12	55	33	9	Tr	Tr	0.40	0.40	0.35
Dark Side	12	40	48	9	Tr	Tr	0.51	0.49	0.40
F70-230 Radiance	20	60	20	16	Tr	Tr	0.39	0.38	0.34
Dark Side	20	57	23	16	Tr	Tr	0.41	0.40	0.35

* Tr = less than 1/2 of 1 percent.

Certified by:



Donald D. Pershing, President
 Matrix, Inc