

Laminated Glass with Vanceva® #S-6544 interlayer
Optical, Solar, Thermal and Color Properties Datasheet

The configuration as described below was calculated using LBNL OPTICS and WINDOW software with standard NFRC/ASHRAE conditions.

Configuration:				
3 mm (1/8 inch) clear glass - Vanceva® #S-6544 ; 0.38 mm (0.015 inch) - 3 mm (1/8 inch) clear glass				
Vanceva® Earth Tone RB S-6544 Shale (Grey)				
Optical (%) and Thermal Properties			SI	IP
Solar Transmittance %	51	U factor W/m2-K(Btu/hr-ft2-F)	5.74	1.01
Reflectance Solar (front)	6	Shading Coefficient	0.74	0.74
Reflectance Solar (back)	6	Solar Heat Gain Coefficient (SHGC; g)	0.64	0.64
Visible Light Transmittance %	45	Relative Heat Gain W/m2 (Btu/hr-ft2)	507	161
Visible Reflectance (front) %	6	GST Outboard -18°C (-0.4°F)	-10	13
Visible Reflectance (back) %	6	GST Inboard 21°C (69.8°F)	-9	17
Absorptance (Solar)	43	GST Outboard 32°C (89.6°F)	41	106
Tdw-K	0.18	GST Inboard 24°C (75.2°F)	41	107
Tdw-ISO	0.35	Light to Solar Gain (LSG)	0.70	
Tuv	<1%	Effective Aperture	30%=0.017	80%=0.035

Color Properties	Dom. WL	Purity	L*	a*	b*
Transmittance	0.47	5.30	73.04	0.73	-5.22
Reflectance	0.47	2.83	29.01	-0.06	-1.30
R (Transmittance)		176			
G (Transmittance)		179			
B (Transmittance)		187			
Color Rendering Index (Transmittance)		96			

Data reported in metric (SI) units with Inch Pound (IP) standard units calculated. GST: Glass surface temperatures - provided for inboard and outboard glass for conditions noted including standard wind conditions.

For specification purposes color consists of 1 Saflex and/or Vanceva color layers and is referenced as Vanceva® Interlayer Color #S-6544.

Notice: Although the information and/or recommendations as may be set forth herein (hereafter "Information") are presented in good faith and believed to be correct at the date hereof, Eastman Chemical Company and its affiliates (hereinafter "Eastman") make no representations or warranties as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Eastman be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information or the product to which Information refers. Nothing contained herein is to be construed as a recommendation to use any product, process, equipment or formulation in conflict with any patent, and Eastman makes no representation or warranty, express or implied, that the use thereof will not infringe any patent. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.

The data presented is derived from samples tested or simulated. Results are not guaranteed for all samples or for conditions other than those tested. Data and its respective measured, calculated or estimated single number ratings is for glass panels only – glazing installed in frames may differ significantly in performance.

© 2019 Eastman Chemical Company. Eastman brands referenced herein are trademarks of Eastman or one of its subsidiaries or are being used under license. The © symbol denotes registered trademark status in the U.S.; marks may also be registered internationally. Non-Eastman brands referenced herein are trademarks of their respective owners.

Architectural Applications Technical Center
730 Worcester Street | Springfield, MA 01151
glazing@eastman.com | www.vanceva.com

