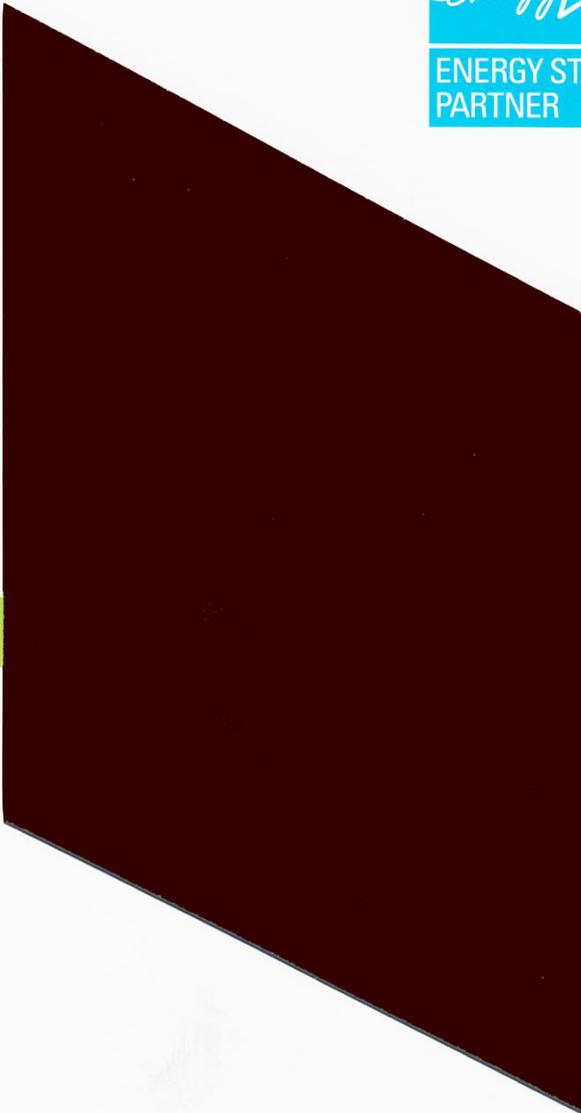


**HÜPER OPTIK®**  
Nano-Ceramic Window Films



**Energy Saving  
Performance 45**



**ENERGY SAVER CERAMIC 45**

Visible Light Transmission (%)	44
Visible Light Reflectance (%)	13
Infrared Rejection (%)	76
UV Light Rejection (%)	99.9
Total Solar Energy Rejected (%)	54
Shading Coefficient	.53
Solar Heat Gain Coefficient	.47
Glare Reduction	51



Performance data is based on this film being applied to the inside of 3mm clear glass. All data calculated using the definitions and equations in ISO9050 % ASHARE Handbook. The data is subject to variations within industry standards.  
Copyright © 2011 Hüper Optik® USA (www.huperoptikusa.com), 5821 West Sam Houston Parkway North, Suite 400, Houston, TX 77041  
phone 888.296.3456; fax 832.467.1190



Meister Keramische Technologie

HSPE-ESC45