


















OKITE®

OKITE®  
TRANSLUCENT COLLECTION™  
DATA SHEET



# OKITE<sup>®</sup> TRANSLUCENT COLLECTION<sup>™</sup>

## Technical Data

Simbol	Test Performed	Test Standard	Results*	Note
<b>Physical Properties</b>				
	Absorption	ASTM C 97	0.005 wt. %	Low absorption contributes to stain resistance and sanitation of OKITE <sup>®</sup> .
	Bulk Density	ASTM C 97	2.38 gr/cm <sup>3</sup> 39.03 gr/in <sup>3</sup>	5/8" OKITE <sup>®</sup> = 118.47 lbs/sq.ft.
	Flexural Strength	ASTM C 880	8,427.0 psi (Standard Deviation 1,339.4)	OKITE <sup>®</sup> is stronger than most natural stones.
	Thermal Expansion	ASTM E 228	1.8x10 <sup>-6</sup> in/in/°F 0.3x10 <sup>-5</sup> in/in/°C	OKITE <sup>®</sup> requires only small clearances for thermal movement.
<b>Durability</b>				
	Abrasion Resistance (Taber Abraser)	ASTM C 501	187.2	OKITE <sup>®</sup> resists wear and abrasion.
	Freeze-Thaw Resistance	ASTM C 1026	No defects	15 freeze-thaw cycles.
	Mohs Hardness	DIN EN 101	Quartz = 7 on Mohs scale.	Quartz can only be scratched by materials as hard as topaz (8), corundum (9), or diamond (10).
<b>Stain and Chemical Resistance and Cleanability</b>				
	Stain Resistance	ANSI Z 124.6	22 Pass (Passing criterion is 64.)	Tested with 16-hour exposure to crayon, shoe polish, ink, gentian, beet juice, grape, juice, lipstick, hair dye, iodine and tea.
	Wear and Cleanability	ANSI Z 124.6	Pass	Wear: Passes 10,000 cycles/slurry. Cleanability: Loss of light reflectance after standard detergent cleaning. (Passing criterion is ≤5%.)
	Cigarette Test	ANSI Z 124.6	Pass	No visual damage or surface ignition Tested with Marlboro, Doral and Raleigh.
	Chemical Resistance	ANSI Z 124.6	Pass	No visual damage due to 16-hour contact exposure to naphtha, ethyl alcohol, amyl acetate, 10% Ammonia, 10% citric acid, 6% urea, 3% hydrogen peroxide, clorox (S), toluene, ethyl acetate, 1-2% drano (S), acetone, pine oil, vinegar, 5% trisodium phosphate.  <i>(S)= slight superficial effect that is removed by dry 600 grit sanding very lightly. No resulting damage after removal.</i>
	Chemical Resistance	ASTM C 650	Slight Stain No Detrimental Effect	Tested with exposure to solution 10% HCL and 10% KOH. Overall evaluation results in no effect on the samples
	Resistance to Fungal Growth	ASTM G 21	No effect	After 21 day incubation period. Fungi spore suspension (ATCC#6205,9348,9642,9644,9645)
<b>Other</b>				
	Static Coefficient of Friction	ASTM C 1028	Dry 0.63 Wet 0.57	
	Flame Spread	ASTM E 84	Class A	

\* Average results of overall production

# Comparison Chart between surfacing materials

	<b>OKITE® TRANSLUCENT COLLECTION™</b>	<b>ONYX</b>	<b>SOLID SURFACE</b>
Stain Resistance	<b>Yes</b>	No	Yes
Need of sealing and regular maintenance	<b>No</b>	Yes	No
Natural Appearance	<b>Yes</b>	Yes	No
Different Textures	<b>Yes</b>	No	No
Absolute White Color	<b>Yes</b>	No	Possibly
GreenGuard Compliance	<b>Yes</b>	N/A	Possibly
LEED Points	<b>Yes</b>	N/A	Possibly
Safe in Healthcare	<b>Yes</b>	No	Yes
Antibacterial	<b>Yes</b>	No	Yes
Color Consistency	<b>Yes</b>	No	Yes
Scratch Resistance	<b>Yes</b>	No	No
NSF Certified	<b>Yes</b>	No	Yes
15 Year Warranty	<b>Yes</b>	No	Possibly
Custom Color	<b>Yes</b>	No	Possibly

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