

Test Data

Unfading Mottled Green & Purple Slate

The following independent test data represent this stone's test values on a particular date. Test values will vary and these results should be seen as indications of this stone's properties, not as a guarantee of future test results. Testing this stone on another date would likely yield higher or lower results.

Grade S1	Per ASTM Testing Standards																						
Grade A	Federal Specification SS-S-451																						
Weight	175 lbs per cubic foot																						
Compressive Strength	23,600 lbs per square inch																						
Modulus of Rupture	10,900 lbs per square inch Per ASTM C-120-52																						
Abrasive Hardness	Ha range of 8.4 to 10.6 Per ASTM C-241-51																						
Water Absorption	0.13 of 1% in 48 hours Per ASTM C-121-48																						
Slipperiness	Flood Report Available Upon Request																						
Acid Resistance	0.002 of an inch																						
Composition	<table> <tr> <td>SiO₂</td> <td>59% - 68%</td> </tr> <tr> <td>Al₂O₃</td> <td>14% - 19%</td> </tr> <tr> <td>Fe₂O₃</td> <td>0.8% - 5.2%</td> </tr> <tr> <td>CaO</td> <td>0.3% - 2.2%</td> </tr> <tr> <td>FeO</td> <td>2.5% - 6.8%</td> </tr> <tr> <td>MgO</td> <td>2.2% - 3.4%</td> </tr> <tr> <td>K₂O</td> <td>3.5% - 5.5%</td> </tr> <tr> <td>Na₂O</td> <td>1.1% - 1.9%</td> </tr> <tr> <td>CO₂</td> <td>0.1% - 3.0%</td> </tr> <tr> <td>CaCO₃</td> <td>none</td> </tr> <tr> <td>FeCO₃</td> <td>none</td> </tr> </table>	SiO ₂	59% - 68%	Al ₂ O ₃	14% - 19%	Fe ₂ O ₃	0.8% - 5.2%	CaO	0.3% - 2.2%	FeO	2.5% - 6.8%	MgO	2.2% - 3.4%	K ₂ O	3.5% - 5.5%	Na ₂ O	1.1% - 1.9%	CO ₂	0.1% - 3.0%	CaCO ₃	none	FeCO ₃	none
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