

## VICAL<sup>®</sup> (Lucerne Valley, CA) screened limestone products

Specialty Minerals VICAL<sup>®</sup> product grade limestone are of high purity, dedusted limestone, characterized by moderate brightness and controlled particle size. VICAL<sup>®</sup> screened limestone products have a granular appearance with top sizes ranging from 12 to 50 mesh (U.S.). VICAL<sup>®</sup> limestone products are used in a variety of applications such as: glass manufacture, tile and sheet flooring, asphalt shingles, stucco, plaster, golf course bunkers and agricultural products.

Consistent quality of VICAL<sup>®</sup> screened limestone is assured by process control on all aspects of manufacture, from mining of calcite ore to milling and final packaging. All VICAL<sup>®</sup> screened limestone products are manufactured from a high quality deposit of natural calcite located in Lucerne Valley, CA. Chemical and mineralogical composition is the same for all VICAL<sup>®</sup> limestone grades.



### Typical Properties

	1200	1130	1600	3005	4005	5030
<b>Dry Brightness</b> (Hunter Y, Rd value)	75	76	78	81	82	85
<b>Tapped Density</b> (pounds/ft <sup>3</sup> )	114	111	108	104	101	77
<b>Apparent Density</b> (pounds/ft <sup>3</sup> )	95	93	91	84	82	63
<b>Specific Gravity</b>	2.7	2.7	2.7	2.7	2.7	2.7

### Chemical Composition (typical)

<b>Calcium Carbonate</b>	<b>CaCO<sub>3</sub></b>	<b>97%</b>
<b>Magnesium Carbonate</b>	<b>MgCO<sub>3</sub></b>	<b>1.4%</b>
<b>Iron as</b>	<b>Fe<sub>2</sub>O<sub>3</sub></b>	<b>&lt; 0.1%</b>

### Sieve Analysis (typical)

	Cumulative Weight % Retained					
	1200	1130	1600	3005	4005	5030
<b>12 Mesh</b>	3	1	----	----	----	----
<b>16 Mesh</b>	42	26	----	----	----	----
<b>20 Mesh</b>	70	58	----	----	----	----
<b>30 Mesh</b>	97	89	28	2	----	----
<b>40 Mesh</b>	98	95	56	19	1	0.3
<b>50 Mesh</b>	Tr	98	80	43	23	10.0
<b>70 Mesh</b>	----	Tr	87	61	46	30.0
<b>100 Mesh</b>	----	----	93	76	68	54
<b>200 Mesh</b>	----	----	98	96	95	82

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### Sales Offices

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