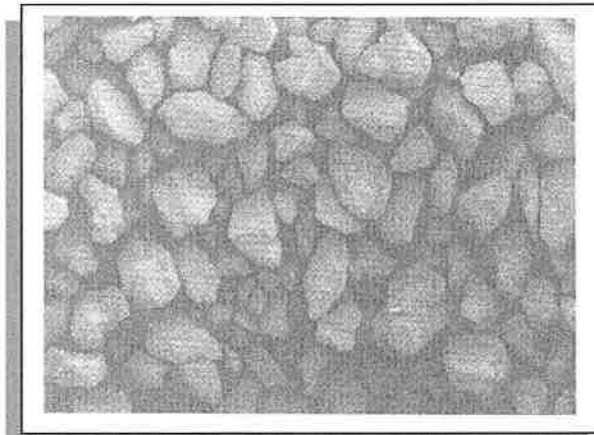


## VICAL<sup>®</sup> (Lucerne Valley, CA) screened limestone products

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

All products are sold on the understanding that the user is solely responsible for determining their suitability for the intended use. All information given and recommendations made herein are based upon our research and are believed to be accurate, but no guarantee, either expressed or implied, is made with respect thereto or with respect to the infringement of any patent. SMI MAKES NO WARRANTY OF MERCHANTABILITY OR SUITABILITY FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH ANY SALE OF THE PRODUCTS DESCRIBED HEREIN. Inconsistent terms and conditions contained in Buyer's purchase order shall not be binding on SMI/BMI unless reflected in writing signed by SMI/BMI's representative. The information contained herein is not to be copied or otherwise used in any publication in whole or in part, without written permission from Specialty Minerals Inc./Barretts Minerals Inc.

### Sales Offices

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[www.mineralstech.com](http://www.mineralstech.com)

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