

## FEATURES

## LANG LANG, VICTORIA

Unimin's Silica Flour 100G is produced from chemically treated and water washed high purity silica sand. The milling process ensures minimal contamination, resulting in high purity silica flour. Silica 100G is an inherently inert white product, with low moisture.

Silica 100G is tested and controlled to rigorous standards which ensure consistent chemical and physical properties resulting in predictable and repeatable performance. Unimin Australia actively manages a Quality Management System certified to ISO9001:2008.

Unimin's comprehensive range of Silica flour is used in a wide range of industrial applications. Silica 100G typically finds use in applications such as adhesives, frits, and flooring. The following typical properties may help you to determine the suitability of the product to best suit your application.

Lang Lang Silica 100G 07/09

### CHEMICAL AND ANALYTICAL DATA

Mean Values. These Do Not Represent A Specification

Mean Percent by Weight		(UAL 8.5)	
Silica	(SiO <sub>2</sub> )		<b>99.8</b>
Alumina	(Al <sub>2</sub> O <sub>3</sub> )		<b>0.09</b>
Ferric Oxide	(Fe <sub>2</sub> O <sub>3</sub> )		<b>0.02</b>
Titania	(TiO <sub>2</sub> )		<b>0.02</b>
Lime	(CaO)		<b>&lt;0.1</b>
Loss on Ignition	(1000°C)		<b>0.1</b>
Oil Absorption	(mls/100g)	UAL2.9(d)	<b>22</b>
Specific Gravity		UAL2.13(b)	<b>2.66</b>
pH	(20% Slurry)	UAL2.11	<b>6.4</b>
Bulk Density (compacted)	(g/cm <sup>3</sup> )	UAL2.10(a)	<b>1.8</b>
Surface Area	(m <sup>2</sup> /g)	UAL2.8(c)	<b>0.5</b>
Powder Brightness	(R457nm)	UAL2.1(d)	<b>72</b>
Powder CIE Color	L*	UAL2.1(e)	<b>90.38</b>
	a*		<b>+0.97</b>
	b*		<b>+4.33</b>

### PARTICLE SIZE ANALYSIS

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% Finer	MICRONS	
	212	<b>96.6</b>
	150	<b>95.2</b>
	90	<b>83.7</b>
	75	<b>78.1</b>
	53	<b>66.9</b>
	45	<b>61.7</b>
	20	<b>24.6</b>
	10	<b>19.1</b>
	2	<b>5.5</b>
	1	<b>3.5</b>

### ORDERING INFORMATION

Shipping Point: Lang Lang, Victoria  
 Availability: 25 kg Multi-Wall Paper Bags / Bulk Bags/ Bulk Tanker

**DISCLAIMER:** Ranges and values of trial sample testing or on a Technical Information Sheet are typical or expected ranges and are not guaranteed ranges. You must satisfy yourself that the product is suitable for the purpose for which you intend to use it. Unimin makes no representations as to suitability, fitness or merchantability.

**HAZARD WARNING:** Prolonged inhalation can cause delayed lung injury including silicosis, a progressive, disabling and sometimes fatal lung disease. In accordance with the National Occupational Health and Safety Commission's "Approved Criteria for Classifying Hazardous Substances", Free Crystalline Silica (Quartz) has been classified as a Hazardous Substance. This product contains Free Crystalline Silica (Quartz). The International Agency for Research on Cancer has determined that Free Crystalline Silica inhaled from occupational sources can cause cancer in humans. Risk of injury is dependent on the duration and level of exposure. The risk of lung disease is increased if smoking is combined with silica respiration.

Avoid creating dust when handling, using or storing the product. Use only with adequate ventilation to keep exposure low. Do not use as a dry abrasive blasting agent. Undertake health and safety risk assessments on safe methods of handling and use appropriate to your workplace.

To prevent inhalation of airborne dust, wear respiratory protection in accordance with Australian Standard AS1715 and AS1716. To prevent potential irritation to eyes, wear eye protection in accordance with Australian Standard AS1337.

Please refer to the relevant Unimin Australia Limited Material Safety Data Sheet (MSDS) for health hazard information before opening or using this product and take care when disposing of the empty bag/container (as it may contain product residue). If you do not have an MSDS, please ring the following ACOHS 24 hour emergency phone number: 1800 638 556 and you will be sent one.

### FOR PRODUCT INFORMATION AND CUSTOMER SERVICE

**AUST:** Adelaide +61 8 8240 8200 Brisbane +61 7 3275 2499 Melbourne +61 3 9586 5400  
 Sydney +61 2 9637 7066 Perth +61 8 9362 1411 Newcastle +61 2 4967 1222  
**NZ** Auckland +64 9 914 7010 Visit our website [www.unimin.com.au](http://www.unimin.com.au)



**UNIMIN AUSTRALIA LIMITED**  
 ACN 000 971 844