

### FEATURES

GILLMAN, SOUTH AUSTRALIA

Unimin's Unical 10 is produced using selectively mined calcium carbonate. Unical 10 is a ground calcium carbonate product predominately finer than 30 microns with low oil absorption and high brightness. These properties of Unical 10 make it an ideal filler / extender for a wide range of applications.

Unical 10 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 range of Unical products is used in a wide range of industrial applications. Unical 10 typically finds use in applications such as Building Products, Surface Coatings and Ceramics. The following typical properties may help you to determine the suitability of the product to best suit your application.

Unical 10 (07/09)

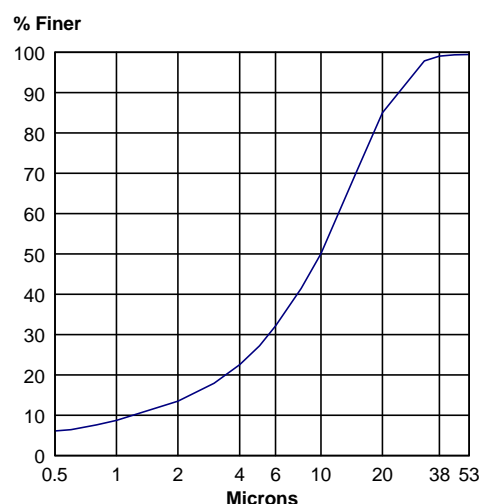
### CHEMICAL AND ANALYTICAL DATA

Mean Values. These Do Not Represent A Specification

Mean Percent by Weight		(UAL 8.5)	
Total Calcium as Lime	(CaO)		<b>54.1</b>
Total Calcium as	(CaCO <sub>3</sub> )		<b>97</b>
Magnesia	(MgO)		<b>0.7</b>
Total Magnesium as	(MgCO <sub>3</sub> )		<b>1.5</b>
Silica	(SiO <sub>2</sub> )		<b>1.2</b>
Ferric Oxide	(Fe <sub>2</sub> O <sub>3</sub> )		<b>0.2</b>
Alumina	(Al <sub>2</sub> O <sub>3</sub> )		<b>0.1</b>
Loss on Ignition	(1000°C)	UAL 2.3	<b>43.2</b>
Oil Absorption	(mls/100g)	UAL 2.9(d)	<b>23</b>
Specific Gravity		UAL 2.13(b)	<b>2.76</b>
Bulk Density (compacted)	(g/cm <sup>3</sup> )	UAL 2.10(a)	<b>1.4</b>
Surface Area	(m <sup>2</sup> /g)	UAL 2.8(c)	<b>0.9</b>
Powder Brightness	(R457nm)	UAL 2.1(e)	<b>88</b>
Powder CIE Color	L*	UAL 2.1(e)	<b>96.3</b>
	a*		<b>+0.48</b>
	b*		<b>+3.43</b>

### PARTICLE SIZE ANALYSIS

Mean Values. These Do Not Represent A Specification



### ORDERING INFORMATION

Shipping Point: Gillman, South Australia  
 Availability: 25 kg Multi-Wall Paper Bags / Bulk Bags

**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:** Avoid creating dust when handling, using or storing the product. Use only with adequate ventilation to keep exposure low. 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 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)

