

# BAUXITE

ANTI SKID SURFACING

**SHENGLI LTD**

5 Ossian St, Ahuriri, Napier 4110, New Zealand

[www.shengli.asia](http://www.shengli.asia)







Establishing and  
maintaining high  
quality international trade  
relationships between  
China and  
the World.





# OVERVIEW

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Shengli Ltd prides itself in being a global supplier of an extensive range of industrial and infrastructure equipment and materials. Our products are manufactured to the finest level through our Chinese affiliates, providing a standard of quality for a price which exceeds customer expectations.

Incorporated in November 1999, Shengli Ltd first appeared as a joint venture between Shandong Shengli (a highly reputable Chinese government owned company and a leader in many agricultural and industrial fields) and Atkin Management Ltd (a New Zealand based trade consulting company). Shengli Ltd has since flourished, providing services throughout the world and with subsidiaries of its own.

With the emergence of China as an open economy, Shandong Shengli expanded into international markets and established representation within the Western business world—New Zealand was selected as an appropriate country to base its international operations.

New Zealand has extensive international acceptance as a reputable trading country, and was the first country to officially accept China as being an open economy.

There were many other factors which influenced the decision, such as New Zealand's heavy reliance on effective international trade and the subsequent development in being the first country to form a Free Trade Agreement with China.

The decision has proven to be a good one, and has resulted in extremely effective global supply lines, both for the large China corporations linked to Shengli Ltd and also for our customers throughout the world.

Our company is proud to carry the endorsement of the Chinese Embassy in New Zealand for our endeavours in establishing and maintaining high quality trade relationships between China and New Zealand. This success quickly developed internationally to where

we are now—a strong company which provides an extensive range of China's quality products and services to customers throughout the world.



Shengli is proud to carry the endorsement of the Chinese Embassy in New Zealand





Shengli's factories produce and process minerals in China for a world-wide clientbase. We work with customers to achieve

optimum performance while considering both environmental protection and sustainable development. We maximize the value of

minerals through careful selection and processing, controlling each step of the process from mining to the final product. Our high standard is maintained through sophisticated world class process technology and R&D facilities – enabling us to produce the best quality minerals for our customers and partners across the world.

# BAUXITE

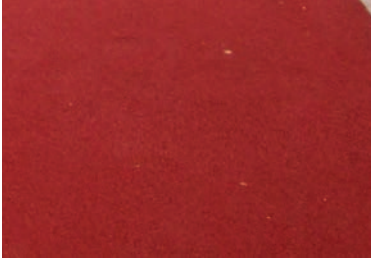
## ANTI SKID SURFACING

One of our many products is bauxite, which has proven extremely popular for adhering to road surfaces while giving exemplary non slip properties and longevity in situ.

The properties of Bauxite are far from limited with applications in steel making, fire-resistance, cement and bauxite brick manufacturing.







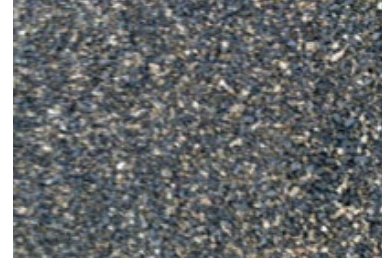
## COLOURED BAUXITE AGGREGATE

Because of the process we use to colour the bauxite, allowing pigment to become embedded within each granule, it's designed to look great even when chipped.



## BUFF BAUXITE

We can produce buff bauxite in various appearances, with percentage mixes of 100% buff (yellow/brown), or options such as 80% buff/20% grey, as required.



## GREY BAUXITE

The grey bauxite is in fact a mix of various colours that give an overall appearance of grey.

# 'COLORFAST'

## 100% ARTIFICIALLY COLOURED Bauxite AGGREGATE

### COLOUR OVERVIEW

Coloured road surfaces are notorious for quickly losing their colour and wearing out quickly, requiring resurfacing in very short time frames. This obviously brings undesirable liabilities, cost and disruption for road authorities. Surface coated coloured bauxite aggregate possesses the non-skid properties of bauxite, but like other options has a limited time over which it maintains its colour.

Our coloured bauxite aggregate has the non-skid attributes of bauxite, plus it has its colour extending completely through each granule. This gives the product the ability to maintain its original colour for the full extent of the life of the granule. Our coloured bauxite aggregate is available in a wide range of colours.



## 3 MONTHS USE

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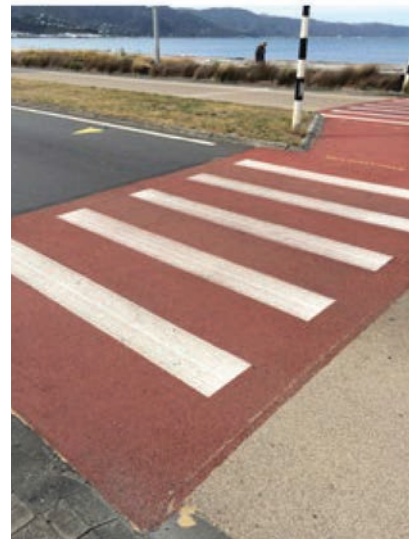
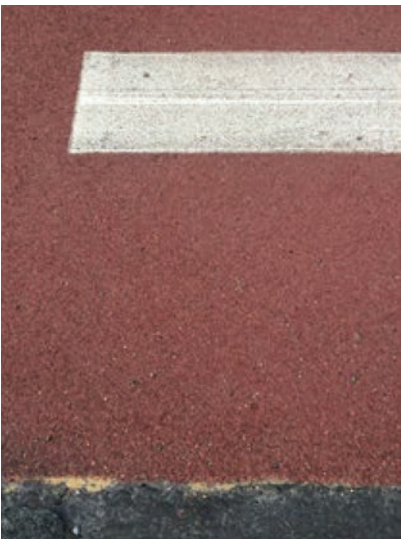
## 15 MONTHS USE

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## 30+ MONTHS USE

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# NATURALLY COLOURED BAUXITE

## GREY & BUFF SPECIFICATIONS

### 1. SHAFT KILN

<b>Al<sub>2</sub>O<sub>3</sub>:</b>	86% min, 80% min, 75% min, 70% min, 60% min, 55% min, 50% min, 45% min.
<b>Fe<sub>2</sub>O<sub>3</sub>:</b>	1.8% max.
<b>Density:</b>	3.2g/cc min (For Al <sub>2</sub> O <sub>3</sub> 86% min. Grade), 3g/cc min (For Al <sub>2</sub> O <sub>3</sub> 80% min. Grade).
<b>Usage:</b>	Steel making, fire-resistance, cement, bauxite bricks.

### 2. ROUND KILN

<b>Al<sub>2</sub>O<sub>3</sub>:</b>	86% min.
<b>Fe<sub>2</sub>O<sub>3</sub>:</b>	1.8% max.
<b>Density:</b>	3.1g or 3.15g/cc min.

### 3. ROTARY KILN

<b>Al<sub>2</sub>O<sub>3</sub>:</b>	85% min.
<b>Fe<sub>2</sub>O<sub>3</sub>:</b>	1.8% max.
<b>SiO<sub>2</sub>:</b>	8% max.
<b>TiO<sub>2</sub>:</b>	4% max.
<b>Density:</b>	3g or 3.1g/cc min.
<b>Granularity:</b>	50mm max. About 90%

### 4. ABRASIVE GRADE

<b>Al<sub>2</sub>O<sub>3</sub>:</b>	86% min.
<b>Fe<sub>2</sub>O<sub>3</sub>:</b>	2% max.
<b>SiO<sub>2</sub>:</b>	6% max.
<b>TiO<sub>2</sub>:</b>	4.5% max.
<b>Water:</b>	2% max.
<b>Granularity:</b>	25mm max. 90% min.

### 5. WELDING GRADE

<b>Al<sub>2</sub>O<sub>3</sub>:</b>	86% min.
<b>Fe<sub>2</sub>O<sub>3</sub>:</b>	2% max.
<b>SiO<sub>2</sub>:</b>	6% max.
<b>TiO<sub>2</sub>:</b>	4% max.

#### (Other chemicals for reference):

<b>P:</b>	0.02% max.
<b>S:</b>	0.02% max.
<b>C:</b>	0.05% max.
<b>L.O.1:</b>	0.02% max.155
<b>Granularity:</b>	25mm max. 90% min.





## **SHENGLI LTD**

5 Ossian St, Ahuriri, Napier 4110, New Zealand  
PO Box 12099, Ahuriri, Napier 4144, New Zealand

**P: +64 6 835 1401 F: +64 6 835 0108**

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