

BASALT

New Zealand Manufactured Premium Abrasive Blasting Grit

PRODUCT DESCRIPTION

Abrasive Aggregates crush a basalt rock carefully selected, tested, processed and graded for application as abrasive blasting media.

SAFETY

This is a silica free abrasive blasting product. Developed to meet legal requirements and for operator safety.

LOW DUST

Dust is extracted as the product is processed to minimize the level of dust in raw product.

FAST

Industry trials have proven the product to be the most effective as a paint and heavy rust removal agent.

Abrasive Aggregates are constantly testing and blending the grit into grades for specific industry application.

RECOMMENDED GRADE

*Paint Removal and heavy rust
Abrasive Aggregates Medium and Coarse*

*Light preparation before painting
Abrasive Aggregates Fine and Super Fine*

GRIT SIZES

Coarse – 1.24 to 1.97 mm

Medium – .560 to 1.97 mm

Fine – .560 to 1.24 mm

Super Fine – .150 to 1 mm

Available either in 1 ton bulk bags or in 25 Kg bags

TECHNICAL DATA

Kingston Morrison Limited is a multidisciplinary Group of consulting engineers and scientists. Geologists within this company have been analysing and assessing rocks from projects in New Zealand and overseas for over 15 years

Rock samples submitted by us were examined in our Auckland office using standard petrological Techniques. The object was to determine the most suitable material for abrasive blasting, in terms of both meeting statutory safety requirements and processing adequate abrasive properties.

The rock sample contains no free silica, and will have negligible lead, zinc, or chromium, which may constitute a health hazard. None of the components are corrosive or possess any known deleterious effects. The proportion of the fine material which could constitute a dust hazard is very low.

The mineral composition of this material (estimated Visually) is as follows:

MINERAL	COMPOSITION	DENSITY	HARDNESS	PROPORTION (VOLUME %)
Plagioclase	$\text{NaAlSi}_3\text{O}_8\text{-CaAl}_2\text{Si}_2\text{O}_8$	2.62-2.76	6-6.5	55
Clinopyroxene	$\text{Ca}(\text{MgFe})\text{Si}_2\text{O}_6$	2.96-3.52	5-6	42
Titanomagnetite	$\text{FeTiO}_3\text{-Fe}_3\text{O}_4$	5.2	7.5-9	2
Volcanic Glass	Complex silicate	variable	variable	1
Iron Oxides	$\text{FeOx}(\text{OH})_y$	~3-4	~4-5	0.1
Free Silica	SiO_2			0.0
Fines (<0.15mm)				0.01



© Copyright Syntech Distributors April 2005