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Technical Data Sheet – Aluminium Silicate

Aluminium Silicate is a synthetic material produced from the coal fired power stations.

It is used as an expendable abrasive for cleaning steel structures. Because of its lighter colour then iron silicate it can be used to clean stone and brick work. The finer of its grade can also be used on wood work.

Product is packed in 25kg bags or loose in bulk bags

Tariff Code 26219000

Produced to ISO Standard ISO11126-4

Chemical Composition

Component Name	Code	Concentration
Silica Oxide	SiO ₂	42-58%
Aluminium Oxide	Al ₂ O ₃	23-32%
Iron Oxide	FeO	3-15%
Calcium Oxide	CaO	2-8.5%
Potassium Oxide	K ₂ O	0.5-4.6%

Physical Properties

Physical state	Solid, Angular, Grey
Odour	None
Explosion Limits (%)	None
Flash point:	None
Solubility in water (kg/m3)	Insoluble
Density (kg/m3)	1.05-1.4
Hardness	7 mohs

Grade Sizes

Aluminium Silicate	mm
keyalum0.5	0.9-0.25
keyalum1	0.2-0.5
keyalum2	0.2-1.00
keyalum3	0.2-1.4
keyalum4	1-2
keyalum5	1.4-2.8
keyalum6	0.5-1.4