

Product Information

Rice Husk Ash Micro Silica

Product Description:

Rice Husk Ash Micro Silica is an odorless, very fine, grey powder. It has excellent strength improving properties (10 - 20%), impermeability (reduces water penetration up to 60%) and heat of hydration reducing ability (up to 30%). Rice Husk Ash Micro Silica is a renewable resource.

Applications:

Rice Husk Ash Micro Silica is used as an admixture to concrete to increase compressive strength, decrease chloride ion penetration in marine environments and decrease heat of hydration. It is effective as an extender in oil & gas cementing systems and to increase the waterproofing qualities of concrete and other compounds. Rice Husk Ash Micro Silica is used in steel mills for binding slag and insulation.

Specifications

Parameters (units)	Specifications
Appearance	Very fine, grey powder
Mean particle size (μm)	< 25
Specific gravity, approx.	2.3
Silica content - SiO_2 (%)	> 88.0
Carbon content (%)	< 2.0
Moisture content (%)	< 2.0
Loss on ignition (%)	< 6.0
Water soluble (%)	< 6.0
Particle size $\geq 45 \mu\text{m}$ (%)	7
Particle size between 20 - 45 μm (%)	35
Particle size between 10 - 20 μm (%)	25
Particle size between 0.5 - 10 μm (%)	13
Particle size between 0.2 - 0.5 μm (%)	16
Particle size $\leq 0.5 \mu\text{m}$ (%)	4

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Packaging:

Material is available in 5 kg bags. Further packaging options may be available upon enquiry.

Storage:

Product should be stored in a dry place away from direct sunlight in sealed, original packaging.

Safety:

For further safety information refer to product SDS available from your Bisley International contact.

Disclaimer: This document is for information purpose only. Customers are responsible for testing and conforming the suitability of this product in their application. To the extent permitted by law, no warranty as to merchantability or fitness of purpose, expressed or implied, is made.

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