

**WHITEMUD<sup>MK</sup>**

Whitemud<sup>MK</sup> is a high-reactivity metakaolin suitable for use in most concrete applications. Metakaolin reacts with the hydration by-products of portland cement (calcium hydroxide), forming calcium silicate hydrate gel, which enhances strength and durability.

**TYPICAL PHYSICAL PROPERTIES**

<b>Colour</b>	Off-White
<b>Bulk Density</b>	38 – 50 lbs. / ft <sup>3</sup>
<b>Specific Gravity</b>	2.55
<b>Fineness: % less than 45 µm</b>	97
<b>Median Size (µm)</b>	7.5 – 8.5
<b>Autoclave expansion</b>	0.02%
<b>Strength Activity Index (28 days)</b>	115%

**TYPICAL CHEMICAL PROPERTIES**

Property	Weight %
<b>SiO<sub>2</sub></b>	61 - 64
<b>Al<sub>2</sub>O<sub>3</sub></b>	30 – 32
<b>Fe<sub>2</sub>O<sub>3</sub></b>	1.10
<b>TiO<sub>2</sub></b>	0.64
<b>CaO</b>	0.40
<b>MgO</b>	0.30
<b>Na<sub>2</sub>O</b>	0.16
<b>K<sub>2</sub>O</b>	1.81
<b>SO<sub>3</sub></b>	0.05
<b>Loss on Ignition</b>	0.95

<b>Total Alkalies (as Na<sub>2</sub>O)</b>	1.35
<b>Available Alkalies (as Na<sub>2</sub>O)</b>	0.22

Whitemud<sup>MK</sup> meets requirements of both CSA A3001-03 and ASTM C618 as Type N supplementary cementing material.

All of the above information provided is presented in good faith, based on our testing and experience, and is believed to be accurate. No guarantee, either expressed or implied, is made with respect to the infringement of any patent. These values represent typical data from samples taken from test batches. They are not to be considered specifications. Results may vary depending upon equipment and procedures. The user of these materials is responsible for determining its suitability for their application.

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