

AXILAT™ SA 502 is a 100% amorphous “flash” alumina with a very high surface area. It is a set accelerator and can be used as an anti-shrinkage admixture for Portland cement.

For further information regarding this product please refer to:

Construction Synthomer

eMail: [Construction@synthomer.com](mailto:Construction@synthomer.com)

Property	Typical Value	Unit	Method <sup>1</sup>
Particle size distribution <= 48 µm	> 90	Vol-%	internal method
Median Diameter	10-20	µm	internal method
Loss on Ignition (300 - 1000°C)	< 10	%	internal method
BET Specific Surface Area	270 - 340	m <sup>2</sup> /g	internal method
Al <sub>2</sub> O <sub>3</sub>	> 93.5	%	internal method
Na <sub>2</sub> O	< 5000	ppm	internal method
Compacted Bulk Density	900 - 1100	Kg/m <sup>3</sup>	internal method

<sup>1</sup> internal method based upon the specified norm

## Application Advice

AXILAT™ SA 502 is recommended for use in:

- Fast setting cement (added during production)
- Premixed mortars to adjust the setting time.

AXILAT™ SA 502 can typically be dosed at 3-5% by weight of Portland cement to achieve acceleration of set kinetics, although it can be used at lower dosages depending on your formulation needs. When dosed at 5% by weight of Portland cement, it features comparable acceleration in Type I and Type I/II systems, while permitting longer working or open times than a Portland/high alumina cement blend. Consistency due to its highly controlled manufacturing process. AXILAT™ SA 502 does not vary in performance from lot to lot as high alumina cements may do. White in color, resulting in negligible impact on colored formulations.

For additional information please contact our Technical Service Team.

## Shipping and Storage

AXILAT™ SA 502 must be stored in dry atmosphere. Keep container tightly closed and store in a cool dry place between 5° and 35°C. For Europe, we recommend that the storage time should not exceed 24 months in unopened bags from receipt of delivery. For export, we recommend that the storage time should not exceed 24 months in unopened bags from date of loading on the vessel at the european port. No guaranty can be given if stored over a longer period.

## Product Safety

Before handling, please read the Safety Data Sheet of this product for advice on safety, use and disposal.