

Geosil[®] 14515

Alkaline activator based on potassium silicate

Chemical description	Geosil 14515 is an aqueous solution of modified potassium silicate.
Mode of action	Due to its special composition Geosil 14515 results in stable high strength bonds, especially in combination with alkaline activatable fillers.
Specification (average values)	Dry content:approx. 45,0 %007 *)Density (20°C):approx. 1,51 g/cm³042 *)pH:approx. 13,5008 *)Viscosity (20°C):approx. 20 mPas053 *)Solubility:miscible with water in any ratioAppearance:clear to slightly opalescent liquidOdour:almost none*)Internal method code – description available on request
Properties	 High reactivity, high activation power, good storage stability, good wetting properties, especially on inorganic and mineral substances, heat and acid resistant bonds, may create robust and water stable substrates in combination with alkaline activatable fillers.
Application	Geosil 14515 is applied as an alkaline activator for reactive fillers. Thereby, it combines high activation power with strong binding properties which represents an excellent characteristic profile in order to build up geopolymers.
Note	Geosil 14515 is only classified as slightly hazardous to water. During application or by heat impact no hazardous gases or decomposition products are evolved.
Storage	Geosil 14515 must not be stored in aluminium or galvanized containers. Protect from frost. The containers must be kept tightly closed. Storage stability at least 12 months.
Labelling / Safety	Please see safety data sheet.

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