

Geosil[®] 54217

Alkaline activator based on soluble silicates

Chemical description

Geosil 54217 is an aqueous solution of modified water glass.

Mode of action

Due to its special composition Geosil 54217 results in stable high strength bonds, especially in combination with alkaline activatable fillers.

Specification (average values)

Dry content:	approx. 42,0 %	007 *)
Density (20°C):	approx. 1,50 g/cm ³	042 *)
pH:	approx. 12,5	008 *)
Viscosity (20°C):	approx. 100 mPas	053 *)
Solubility:	miscible with water in any ratio	
Appearance:	clear liquid	
Odour:	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 54217 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 54217 is only classified as slightly hazardous to water. During application or by heat impact no hazardous gases or decomposition products are evolved.

Storage

Geosil 54217 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.

Packaging

On request.

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