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## Laponite RD The Clear Leader

### Description

LAPONITE RD is a synthetic layered silicate. It is insoluble in water but hydrates and swells to give clear and colorless colloidal dispersions. At concentrations of 2% or greater in water, highly thixotropic gels can be produced.

### Application

Used for imparting a shear sensitive structure to a wide range of waterborne formulations. These include household and industrial surface coatings, cleansers, ceramic glazes agrochemical, oilfield and horticultural products.

### Typical Characteristic

Appearance free flowing white powder  
Bulk Density 1000 kg/m<sup>3</sup>  
Surface Area (BET) 370 m<sup>2</sup>/g  
pH (2% suspension) 9.8

Chemical Composition (dry basis)

SiO <sub>2</sub>	59.5%
MgO	27.5%
Li <sub>2</sub> O	0.8%
Na <sub>2</sub> O	2.8%
Loss on Ignition	8.2%

### General Specifications

Gel strength	22g min
Sieve Analysis	2% Max >250 microns
Free Moisture	10% Max

Rockwood QA Test Code  
ELP-L-1H  
ELP-L-6A  
ELP-L-5A

Specifications can be agreed to meet individual requirements.



## **Storage**

Laponite is hygroscopic and should be stored under dry conditions.

For additional information or technical assistance contact Southern Clay Products, Inc. toll free at 800-324-2891.

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