



DATA SHEET
NYACOL® LiSil 4.1

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COLLOIDAL LITHIUM SILICATE

NYACOL LiSil 4.1 is a dispersion of lithium silicate in water. The primary application of LiSil 4.1 is as a concrete surface treatment and additive. In concrete, the use of lithium silicate can mitigate ASR problems. In coatings, it is usually used as part of the binder system or as a flame retardant. LiSil 4.1 is effective in refractory applications as it has a higher melting point and may change the refractory properties of the system.

LiSil 4.1 is a stable high ratio, low viscosity solution. Once dried this material is relatively insoluble compared to potassium and sodium silicates. Consult NYACOL Technical Service for guidance on how to use LiSil 4.1.

TYPICAL PROPERTIES

Specific Gravity:	1.20
Appearance:	Clear Liquid
% Solids:	20 - 24
Weight Ratio:	8.2
Molar Ratio:	4.1
pH:	10 - 11
% Li ₂ O:	2 - 3
Viscosity, cps:	<50

PACKAGING

SIZE	WEIGHT
55 Gallon Drum	550 Pounds Net
208 Liters	250 Kilograms Net
5 Gallon Pail	44 Pounds Net

FOR ADDITIONAL INFORMATION OR TO PLACE AN ORDER

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