

Product Data Sheet:

R-E-D NSL-115 Nano Silica Powder +Li for ASR

R-E-D NSL-115 nano silica powder with lithium addition is an excellent solution for alkali-silica reaction, while increasing the density and strength of concrete at small doses.

The silicon dioxide reacts with the calcium oxide and water to form calcium silicate hydrate, the increased bonds reduce overall surface porosity and strengthen the binder matrix. The lithium reduces the overall effects of alkali-silica reaction (ASR.)

The end result is a significantly improved concrete with a high surface wear resistance, reduced porosity, increased density and fortified protection from ASR. Excellent material to enhance fly ash reactivity and development of early strength in ternary blends.

Application:

- Blend in premixed products
- Nano-admixture
- Enhance fly ash & other pozzolan reactivity

Packaging: Bulk, 275-Gal Tote, 55-Gal Drum, 5-Gal Pail

Storage: Periods of exposure to high temperatures should be minimized. Provide sufficient ventilation in storage and workrooms. Store in a cool dry area

Safety: SDS available upon request

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Technical Properties

Appearance:	White Powder
Bulk Density:	0.85 g/ml
SiO ₂ (%):	86
Li ₂ O (%):	< 1
10% Slurry pH:	10.5
LOD 105C:	12.6
Mean Size (µm):	10-20
Surface Area (m ² /g):	500
Color (L)	91

