



DATA SHEET  
NYACOL® K-Sol

## NYACOL® K-Sol

### Silica Based Water Repellent

NYACOL K-Sol is a water-dilutable solution of potassium methyl silicate designed to be used as a surface treatment in applications that utilize its ability to impart a water repellent surface and reduce water absorption.

#### TYPICAL PROPERTIES

Appearance:	Clear to Slightly Yellow Liquid
Total Solids, %:	32
Specific Gravity:	1.22
pH:	12 – 13
Pounds per gallon:	10.2
Solvent:	Water

#### PRIMARY APPLICATIONS

NYACOL K-Sol imparts water repellency to a wide variety of substances and is recommended for use on concrete, bricks, sandstone, limestone and ceramics. Supplied at a concentration of 32 percent in water, K-Sol must be diluted to a concentration of 3 percent or less before application.

#### METHOD OF APPLICATION

NYACOL K-Sol can be applied by dipping, spraying or brushing. Always test the concentration on a small sample of the material to determine the suitability of the specific use. The surface to receive the water-soluble silicate should be lightly dampened immediately prior to application. The silicate forms a permanent insoluble chemistry by reacting with the concrete.

Existing surfaces: This water-soluble silicate does not wet surfaces that have been previously treated with silicate or another water repellent treatment. Consult NYACOL for recommendations.

#### PACKAGING

K-Sol is available in 1 lb., 50 lb. and 550 lb. containers and Bulk IBC's upon request.

#### STORAGE

K-Sol should be stored in an airtight, sealed container at or below 25°C (77°F). Shelf life is 12 months from date of shipment. Should temperature drop below freezing, a crystalline structure may develop which will not permanently impair the effectiveness of the product. When heated to room temperature, the solution will again become clear and ready for use.



DATA SHEET  
NYACOL® K-Sol

#### HANDLING PERCAUTIONS

NYACOL K-Sol is alkaline and should be handled with the same care as caustic soda. If misting occurs, avoid inhalation. Do not get in eyes or on skin and clothing.

#### SAFETY

A Safety Data Sheet for K-Sol will be supplied on request.

#### FOR ADDITIONAL INFORMATION OR TO PLACE AN ORDER

Nyacol Nano Technologies, Inc.  
P.O. Box 349  
Megunko Road  
Ashland, MA 01721-0349 U.S.A.

Telephone: 800-438-7657 Toll-Free  
508-881-2220 Local Area  
Fax: 508-881-1855  
Internet: [www.nyacol.com](http://www.nyacol.com)

Information herein is accurate to the best of our knowledge. Suggestions are made without warranty or guarantee of results. Before using, user should determine the suitability of the product for its intended use and user assumes the risk and liability in connection therewith. We do not suggest violation of any existing patents or give permission to practice any patented invention without a license. 20130513