

 **Health and Safety Warning:**

DANGER CAUSES SERIOUS EYE DAMAGE CAUSES SKIN IRRITATION HARMFUL IF SWALLOWED

Prevention: Wear eye protection/face protection. Wear protective gloves. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. **Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Dispose of contents and container in accordance with applicable local, regional and national regulations. Read SDS for additional information <https://www.lynnmfg.com/documentation>



Product Uses:

- High Temperature Adhesive
- Additive to Refractory
- Additive to Cements
- Concrete Sealer
- Automotive Repair
- Fire Protection
- Pottery Glaze

Product Information:

Liquid sodium silicate 40% solutions of soda (Na₂O) and silica (SiO₂) in water, also commonly known as water glass or liquid glass.

Uses:

Sodium Silicate is an adhesive that can be used on ceramic fiber blanket, boards and other refractories and can withstand high temperatures.

Properties:

Sodium Silicate has a viscosity similar to maple syrup and will become more viscous as it dries. Depending on the application temperatures of up to 1500F will maintain a bond. Sodium Silicate melts at 1900F

Application:

Sodium Silicate should be applied with a brush or roller. The more porous the surfaces to be bonded the more adhesive that will need to be applied. If bonding ceramic fiber blankets or boards to non-porous surfaces like steel, apply the Water Glass to the steel (non-porous surface) and then press the blanket or board onto the wetted surface.

Drying Times:

Sodium Silicate is a water based liquid and drying time is a function of how quickly the water can be evaporated. A thin layer exposed to air will dry in about 30 minutes, however most applications will require at least 24 hours to dry due to limited air flow. Increased heat and air flow will reduce drying time.

 **Application, Installation and Use Warning:**

In applications including; boilers, furnaces, wood stoves, wood inserts, fireplaces, heating devices, and other appliances, parts must be used consistently with original equipment manufacturers specifications, design, function and operation.

Improper installation or use of this product could result in a fire, smoke inhalation or carbon monoxide poisoning. Products should be installed by a licensed and certified technician in compliance with all national, state and local codes. Products should be inspected annually by a licensed and certified technician for wear, brittleness, cracking or crumbling, and replaced as necessary. Lynn Manufacturing, Inc. recommends installers certified by NFI, CSIA or NORA.

Never work on a piece of equipment or touch the fibrous product when it is hot, as the product may show no visible signs of heat from glowing or smoking.

Lynn Manufacturing, Inc offers hundreds of products with many applications. Determining whether the product is a fit for the particular purpose and suitable for an application is the sole responsibility of the purchaser/installer.

In no event shall Lynn Manufacturing, Inc be liable for any damages to property or life arising from or connected with the use of this product.

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