

## Properties

OTERSIL SN40 is a sodium silicate compound commonly used in cardboard gluing as well as water treatment, detergent manufacturing, soil consolidation and a number of other applications.

OTERSIL SN40 has excellent adhesive properties; after application, the thin film of silicate readily loses moisture to the atmosphere and to the absorbent surfaces to form rigid, glasslike bonds with almost all water-wet surfaces.

The bonding characteristics of silicates have led to its extensive use in adhesive applications including the production of carton sheets, paper tubes and fiber drums.

## Product characteristics (Typical values):

Na <sub>2</sub> O (w/w)	8.3%
SiO <sub>2</sub> (w/w)	27.7%
Total Solids (w/w)	36.0%
Ratio SiO <sub>2</sub> /Na <sub>2</sub> O	3.3 ± 0.1
Specific Gravity (°Bé)	38 – 40
Viscosity (cp.)	160 – 200

## Storage:

Under proper storage conditions, liquid silicates are indefinitely stable. Storage tanks and lines can be constructed of iron or steel.

## Packing

The product can be delivered in 275 kg Drums or by road tankers.