

SODIUM POTASSIUM LITHIUM SILICATE

SPECIFICATION

Colour	:	Viscous liquid
Odour	:	Odourless
Na ₂ O	:	2.25 % w/w
K ₂ O	:	8.00 % w/w
Li ₂ O	:	0.75 % w/w
SiO ₂	:	27.50 % w/w
Solids	:	38.50 % w/w
Weight Ratio (silica : alkali)	:	2.50
pH	:	11.50
Specific gravity	:	1.38 at 25°C

FEATURES, BENEFITS & APPLICATIONS

- ✓ Higher silica content compared to lithium silicate or Potassium Lithium Silicate (POLISI)
- ✓ Its Sodium content is fraction of that in sodium silicate. Hence, it forms negligible white carbonate film - efflorescence - on exposure to atmosphere.
- ✓ The lithium molecule in Na-POLISI quickly dissociates from the system, which disturbs the Silica - Alkali ratio. This catalyzes the formation of free Silicic Acid in the system. This results in faster densification/hardening /adhesion, which is not possible in usage of only potassium or sodium silicate
- ✓ It is much economical compared to Lithium silicate or POLISI - Potassium Lithium Silicate.
- ✓ Presence of larger atoms of Potassium and Sodium, results in faster buildup on the surface and reduced porosity, faster hardness and gloss on the surface. This makes it suitable for very porous surface.
- ✓ Treatment with Na-POLISI makes the surface resistant to water & various industrial chemicals.
- ✓ It is concentrated product. It is diluted 3 to 5 times with water depending on application.

PACKING

Na-POLISI is available in 70, 300 kg pack. Other pack sizes are available on request.

STORAGE

Store in frost-free condition, away from sunlight or extreme heat. For best result, use within one year.

XETEX INDUSTRIES PVT. LTD.

DBS House, Prescott Road,
Opp. Cathedral School,
Fort, Mumbai 400 001.
+91 93222 13698