

77750 Potassium silicate, water glass

Chemical Formula: $K_2O \cdot 3 SiO_2$

Application:

For interior and exterior use.

Dilute 1 part of potassium silicate with 2 parts water, add about 5 - 15 % finely ground quartz powder (e.g. 58610) and add up to 5 % of any pigment (suitable in water glass).

Stir and apply on wet grout, stone, chalk, lime surfaces or aged cement.

Does not work well on flaking paint.

Please make tests before application

Product Specification:

Appearance:	colorless, clear
Condition:	liquid, viscous
Specific Gravity:	1,24 – 1,26
Content K_2O :	approx. 8.0 wt. %
Content SiO_2 :	approx. 20.8 wt. %
Weight ratio K_2O/SiO_2 :	1 : 2.60
Molar ratio approx.:	4.08
Density (20°C):	1.25 – 1.26 g/cm ³
Viscosity (20°C): (Brookfield DK 1.60 Upm):	approx. 31 mPa·s

Storage:

Protect from frost. Product can be stored for at least 12 months in closed containers.