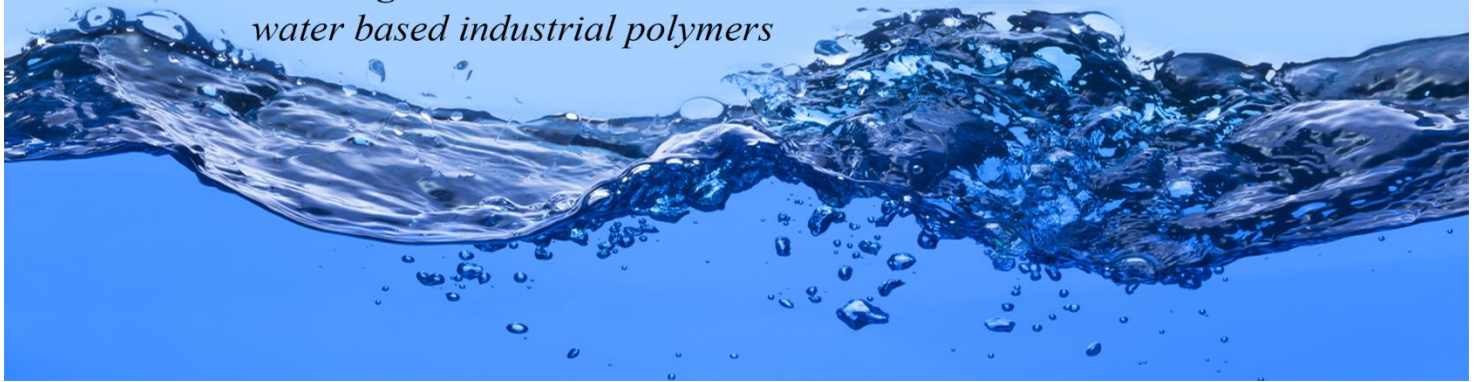




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*water based industrial polymers*



## Ottopol K-672 Technical Data sheet

### Product Specifications

Description -----	Hydroxyl Functional Cationic Acrylic Emulsion Polymer	Appearance -----	Translucent Emulsion
Solids -----	39.0 - 41.0%	Specific Gravity -----	1.0548
pH-----	5.0 - 6.0	Weight/Gallon -----	8.80
Viscosity-----	500-1,500 cps	Freeze Thaw Stability -----	5 Cycles
Flash Point -----	Same as Water	Hydroxyl Number -----	72
Glass Transition Temperature	10 Degrees C		

### Product Description

Experimental Ottopol K-672 is a Hydroxyl Functional Cationic Acrylic Emulsion Polymer. This polymer will crosslink at room temperature with polyisocyanates and epoxy silanes. The fastest and most resistant coating can be formulated with the combination of a polyisocyanate and an epoxy silane. We recommend a maximum of 11.5% epoxy silane based on solids. Detergents and cleaners will not remove this film. Water resistance is excellent. The dried film will also resist staining.

### Starting Point Formulation "A" Two Component system

#### Part A

Ottopol K-672 -----	67.1	4 hour. ambient cure, the film will have excellent water resistance
Water-----	23.8	
BYK 3450* -----	0.1	

#### Part B

Epoxy Silane  $\gamma$ -Glycidoxypropyl-tri methoxy silane \*\*9.0

Mix components in the order listed for 30 minutes. Resulting viscosity will be 15-20 seconds #2 Zahn Cup. The BYK 3450 is a wetting agent and is quite effective with this system.

\*BYK – Altana Group \*\* Dow Corning (989) 496-6000 \*\* Evonik tradename Glymo \*\* Advanced Polymer tradename AP Silane 51