

# Unilink® 2210 and 2220

## Polyurethane Catalysts



### DESCRIPTION

Unilink® 2210 and 2220 are water-stable catalyst blends containing proprietary titanium chelates in reactive diluents. Initial catalyst evaluations in a polyester polyol or PTMEG polyol-based formulation should be done at approximately one-third the level of mercury.

#### Performance Benefits:

- Sharp viscosity increase profile, similar to mercury
- Minimal isocyanate-water reaction for high-quality elastomers
- Excellent hardness build-up and rapid demold times
- Water-stable, environmentally friendly formulation
- Superior mechanical properties compared to mercury
- Excellent storage stability in polyether and polyester polyols
- Compatible with a variety of fillers

### APPLICATIONS

Unilink® 2210 and 2220 polyurethane gelling catalysts are designed for filled and unfilled MDI-based elastomer formulations and they offer excellent gel-time stability when blended with the polyol side. These products are suitable only for formulations containing low levels of secondary alcohols. For example, they should not be used with non-ethyleneoxide capped polypropyleneglycol polyols.

### HOW TO USE

Typical application rates range from approximately half to twice the addition level of mercury depending on the desired reaction time, fillers and plasticizers used and application. Initial catalyst evaluations in a polyester polyol or PTMEG polyol-based formulation should be done at approximately one-third the level of mercury.

### TYPICAL PROPERTIES

PROPERTY	TYPICAL VALUE	
	Unilink® 2210	Unilink® 2220
Appearance	Yellow orange liquid	Yellow orange liquid
pH, 10% w/w with water	4.5	4.5
OH value (mg KOH/g)	855	760
Flash point, PMCC, °C (°F)	97 (206.6)	59 (138.2)
Specific gravity @ 25 °C (77 °F)	1.104	1.102
Viscosity @ 25 °C (77 °F), cPs	36.3	39.2
Solubility	Miscible with water, soluble in alcohols and glycols.	Miscible with water, soluble in alcohols and glycols.

### SAFETY AND HANDLING

Please refer to the current Material Safety Data Sheet for detailed safety, handling and toxicity information.

### TYPICAL SHELF LIFE

1 year



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