



## Engineered Polymers International, LLC

2842 Progress Road Madison, WI 53716 USA (608) 661-2800 Fax: (608) 661-2817 [engineeredpolymers.net](http://engineeredpolymers.net)

# EP-1K Acrylic Sealer

### Description:

**EP-1K Acrylic Sealer** is a solvent free styrene modified acrylic-methacrylic-ester copolymer emulsion. **EP-1K Acrylic Sealer** is typically used as a metal topcoat and primer due to its excellent water resistance, corrosion resistance and adhesion. In addition to topcoats and primers for metal surfaces, **EP-1K Acrylic Sealer** also can be used in wood coatings.

### Key Benefits Include:

- Excellent adhesion to metal
- Good corrosion resistance
- High gloss
- Good chemical, water and humidity resistance
- Medium hard polymer that requires low co-solvent levels
- Excellent compatibility with polyurethane dispersions and other acrylic emulsions from **EPI**

Typical Properties	Unit	Value
Appearance		White Emulsion
Stabilization		Anionic
Dynamic Viscosity Brookfield RVT, Spindle 2, 20 rpm	<i>mPa.s</i>	200-2000
pH		7.5 – 8.5
Solid Content	%	44
Density	<i>g/cm<sup>3</sup></i>	1.04
Weight/Gallon	<i>lb/gal</i>	8.66
Solvent Content	%	Solvent Free
Heat Stability @ 50°C	4 weeks	OK
Freeze/Thaw Stability		No
MFFT	°C	33
Dry to touch @ 6 mils	minutes	15 @ 75°F
Cure Time	hours	1 @ 75°F

***Storage:***

**EPI** has determined that the shelf life of **EP-1K Acrylic Sealer** is in excess of six months from the date of shipment receipt when the product is stored between temperatures of 5 °C to 25°C in its original packaging. **EP-1K Acrylic Sealer** must be protected from freezing in its original form of supply.

***Safety:***

Before using this or any other **EPI** product, please consult the MSDS.

Engineered Polymers International, LLC  
2842 Progress Road Madison, WI 53716  
Phone: (608) 661-2800, Fax: (608) 661-2817