

# Covinax 114-00

**Covinax 114-00** is a surfactant stabilized vinyl acrylic copolymer emulsion developed for permanent applications requiring high heat resistance. Its performance is characterized as extremely high shear, with moderate peel and tack. It has a high degree of carboxyl functionality, and maintains its high shear at elevated temperatures. Covinax 114-00 is FDA compliant under 21CFR 175.105 and 21CFR 176.180.

## PHYSICAL PROPERTIES

**Polymer Type:** Vinyl acrylic

**Protective System:** Anionic

**Color:** White

**Viscosity (cps):** 1500 Max (RVF, Spindle #3/60 RPM /77 °F)

**Percent Solids:** 52% - 55%

**pH:** 3.8 - 7.0

**Weight Per Gallon:** 8.6

**Shelf Life:** 6 months

**Freeze/Thaw Stability:** Unstable

**Borax Compatible:** Yes

**Glass Transition Temperature (T<sub>g</sub>): (DSC):** -37.4 °C



## PERFORMANCE PROPERTIES

A 1 mil (28g/M<sup>2</sup>) dry film of Covinax 114-00 cast directly onto 1 mil thickness polyester film will exhibit the following average performance properties when tested on #304 stainless steel, which has a #3 surface finish.

Test	Typical Values	Specification Range
180 ° Peel Adhesion <sup>1</sup> (lbs)	1.6	1.2 minimum
178 ° Shear Adhesion <sup>2</sup> (minutes)	2300	400 minimum
Loop Tack <sup>3</sup> (lbs)	1.2	0.6 minimum

**FDA Compliance:** 21 CFR 175.105  
21 CFR 176.180

<sup>1</sup>Franklin International 03QC5002, 30 minute dwell.

<sup>2</sup>Franklin International 03QC5003, 0.25 square inch, 1000 gram load, 10 minute dwell.

<sup>3</sup>Franklin International 03QC5004, 1 square inch contact, 1 second dwell.

### IMPORTANT NOTICE TO CUSTOMER:

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