



**ADHESIVES & COATINGS, INC**  
**QURETECH®**  
**TECHNICAL DATA SHEET**

Country Club Road, PO Box 628  
 Grafton, WV 26354  
 800-847-7773  
 Fax; 304-265-5202  
 www.dyna-techadhesives.com  
 www.quiretech.com

Providing Advanced Water-based and Energy  
 Curable Coatings and Adhesives  
 For Over 25 Years.  
 Clean, Safe, Worker Friendly

# SureTac 1325

(Previously SureTac 1412)  
 25° C Rosin Ester Resin Emulsion

A solvent-free waterborne emulsion of rosin ester resin, formulated for tackifying various latex polymers. This emulsion is generally stable when mixed with latexes that have a pH greater than 7.0. For mixing with latexes that have a lower pH or systems that are highly ionic, this tackifier emulsion may need stabilization. For stabilization, we suggest adding 5 parts (dry/dry) of a 25% nonylephenol ethoxylate surfactant, such as Igepal CO-630, to the SureTac 1325 prior to mixing with the latex.

<b>FDA Status</b>	Complies with 21CFR175.105
<b>Applications</b>	Blending with natural rubber latex, SBR latex, natural latex/SBR latex blends and acrylic latexes

### Typical Properties

Total Solids	54.0 ± 1.0
Viscosity; LVF #3 @ 30 RPM @ 23°C	900 ± 400 cps
pH	9.5 ± 1.0
Softening Point	25°C
Average Particle Size	< 0.5 micron

### Tackifier response in 2-Ethylhexyl Acrylate Polymer Latex:

Web:	1 mil Mylar®
Coatweight; dry mils	0.75
180° Peel Adhesion, lb./in, 30' dwell (1)	
Control – No tackifier	2.3
15 Parts SureTac 1325 (dry/dry)	2.9
30 Parts SureTac 1325 (dry/dry)	3.0
50 Parts SureTac 1325 (dry/dry)	2.9
Loop Tack, lb./in <sup>2</sup> (2)	
Control – No tackifier	1.7
15 Parts SureTac 1325 (dry/dry)	1.6
30 Parts SureTac 1325 (dry/dry)	1.9
50 Parts SureTac 1325 (dry/dry)	1.5
Shear; ½" x ½" x 500 gms; hours (3)	
Control – No tackifier	5.1
15 Parts SureTac 1325 (dry/dry)	1.2
30 Parts SureTac 1325 (dry/dry)	.5
50 Parts SureTac 1325 (dry/dry)	.2

/continued

This product information is presented in good faith and is to the best of our knowledge, accurate. It is intended to be used as a guide and is not to be construed as a specification for products described herein. Dyna-Tech does not guarantee satisfactory results in any application from reliance upon this information and assumes no liability for any loss or damage arising out of its use. Dyna-Tech recommends that the user of our products thoroughly test them under end use conditions to assure that they meet the requirements of intended applications.



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**Tackifier response in a 60/40 SBR Latex (25% Styrene/75% Butadiene)/Natural Rubber Latex Blend:**

Web:	1 mil Mylar®
Coatweight; dry mils	0.75
180° Peel Adhesion, lb./in, 30' dwell (1)	
120 Parts SureTac 1325 (dry/dry)	3.8
150 Parts SureTac 1325 (dry/dry)	2.8
180 Parts SureTac 1325 (dry/dry)	3.1
Loop Tack, lb./in <sup>2</sup> (2)	
120 Parts SureTac 1325 (dry/dry)	2.3
150 Parts SureTac 1325 (dry/dry)	1.4
180 Parts SureTac 1325 (dry/dry)	1.3
Shear; ½" x ½" x 500 gms; hours (3)	
120 Parts SureTac 1325 (dry/dry)	1.1
150 Parts SureTac 1325 (dry/dry)	.5
180 Parts SureTac 1325 (dry/dry)	.3

**Tackifier response in SBR Latex (25% Styrene/75% Butadiene)**

Web:	1 mil Mylar®
Coatweight; dry mils	0.75
180° Peel Adhesion, lb./in, 30' dwell (1)	
120 Parts SureTac 1325 (dry/dry)	2.0
150 Parts SureTac 1325 (dry/dry)	1.9
180 Parts SureTac 1325 (dry/dry)	1.8
Loop Tack, lb./in <sup>2</sup> (2)	
120 Parts SureTac 1325 (dry/dry)	2.7
150 Parts SureTac 1325 (dry/dry)	2.9
180 Parts SureTac 1325 (dry/dry)	2.6
Shear; ½" x ½" x 500 gms; hours (3)	
120 Parts SureTac 1325 (dry/dry)	.2
150 Parts SureTac 1325 (dry/dry)	.1
180 Parts SureTac 1325 (dry/dry)	.1

Samples were prepared by transfer coating and drying 2½' @ 100°C

- (1) PSTC-101
- (2) TLMI Loop Tack, 1 in<sup>2</sup> contact area, 12 ipm separation
- (3) PSTC-107

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