



High Performance Foams Division
 245 Woodstock Road
 Woodstock, CT 06281-1815
 Tel: 860.928.3622 / Fax: 860.928-7843
 www.rogerscorporation.com

R/bak® Cushion Mounting Materials

R/bak^â SA 2000 Cushion Mounting Tapes
Technical Data Sheet

September 15, 2002
 Supersedes: June 26, 2000

R/bak[®] SA 2000 products combine Rogers unique microcellular urethane cushion technology and specially developed acrylic adhesives in a product construction designed to handle easily while providing excellent printing results.

SA 2100 Soft Combination – 20 and 15 mil tapes for combination jobs with demanding process and screen work.

SA 2300 General Purpose – 20 and 15 mil tapes for combination jobs with screen, line, and solid work.

SA 2500 Firm Combination – 20 mil tapes for line and solid work with darker screens.

GENERAL PROPERTIES

	SA 2100 MS	SA 2300 MS	SA 2500 MS
Foam Type	Open Cell Urethane	Open Cell Urethane	Open Cell Urethane
Available Thickness	15 mil – SA 2115 20 mil – SA2120	15 mil – SA 2315 20 mil – SA 2320	20 mil – SA 2520
Application	Soft Combination Screen & Process	Medium General Purpose	Firm Combination Line & Solids
Compressibility (CFD @ 15%)	10 psi	17.5 psi	28 psi
Adhesive Type	Differential Acrylic	Differential Acrylic	Differential Acrylic
Liner	Poly Coated Paper	Poly Coated Paper	Poly Coated Paper
Tape Color	Chino	Deerskin	Bone
20 mil Standard Width	18 in. (0.46m)	18 in. (0.46m)	18 in. (0.46m)
15 mil Standard Widths	6.5 in. (0.17m) 7.5 in. (0.19m) 10 in. (0.25m) 13 in. (0.33m) 18 in. (0.46m)	6.5 in. (0.17m) 7.5 in. (0.19m) 10 in. (0.25m) 13 in. (0.33m) 18 in. (0.46m)	
Roll Length	75 ft. (22.86m)	75 ft. (22.86m)	75 ft. (22.86m)
Master Roll Width	54 in. (1.37m)	54 in. (1.37m)	54 in. (1.37m)

See Reverse for Performance Attributes

GENERAL PERFORMANCE ATTRIBUTES

	SA 2000 MS Adhesive System						
Dyna - Peel Strength (German Wheel Test with 1 hr dynamic loading prior to test)	Photo- polymer Plate	Steel	Rotec Blue Light	Rossini Ever- green	Rossini Fiber- glass	Areo- Mount PET	Kevlar
12 in/min Peel Rate Adhesive Industry Standard	2.5 lbs/in	1.5 lbs/in	1.4 lbs/in	1.4 lbs/in	1.2 lbs/in	1.2 lbs/in	0.9 lbs/in
50 in/min Peel Rate More realistic rate of actual removal	3.1 lbs/in	2.2 lbs/in	1.8 lbs/in	2.1 lbs/in	1.9 lbs/in	1.3 lbs/in	1.4 lbs/in
Solvent Resistance							
Aqueous Plate Wash	Excellent – no effect on PSA or plate hold-down ability						
Iso-Propyl Alcohol	Good- Minor swelling of adhesive, no effect on plate hold-down ability						
n-Propyl Alcohol	Good- Moderate swelling of adhesive, no effect on plate hold-down ability						
Ethyl Alcohol	Fair – minor swelling of adhesive, some effect on plate hold-down ability						
Methyl Ethyl Ketone (MEK)	Good- Minor swelling of adhesive, no effect on plate hold-down ability						
AC-1170 80/20 n-propyl alcohol/ n-propyl acetate	Good- Minor swelling of adhesive, no effect on plate hold-down ability						
Toluene	Good- Moderate swelling of adhesive, no effect on plate hold-down ability						
Upper Use Temperature	150°F (66°C)						

Series 2000 Product Nomenclature

SA <u>2</u> 520 MS 18	Adhesive SA – Series 2000 with Acrylic Adhesive
SA <u>2</u> 5 <u>2</u> 0 MS 18	Compressibility 25 – Firm, 23 – Medium, 21 – Soft
SA 25 <u>2</u> 0 MS 18	Thickness (0.000 inches) 0.015, 0.020
SA 2520 <u>M</u> S 18	Plate Side Adhesive Level L = Low M = Medium H = High
SA 2520 MS <u>S</u> 18	Cylinder Adhesive Type S – standard cylinder side adhesive
SA 2520 MS <u>1</u> 8	Width 18" Width

The above data represents preliminary values. It is not intended to and does not create any warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose. The user should determine the suitability of Rogers R/bak cushion mounting materials for each application.



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0338-0902-5.0C, **Publication No. 12-033**