ROGERS CORPORATION

R/bak® SA 2000 Tapes

For a lasting impression.

In the Long Run, the Difference is the Cushion.

Speed, quality and price – you know that's what your customers look for from a flexographic print run. And one of the most important factors in delivering all three is often overlooked: the cushion mounting tape.

A Unique Open-Cell Urethane Cushion
The key is our unique open-cell urethane technology. Our urethane cells "bounce back" to their original state instead of breaking down under the constant pounding of your presses. So the tape you remove in demount has the same qualities as the tape you mounted in set up. The result is millions of high-quality impressions.

The Value of Consistency – Over Millions of Impressions
The consistent performance of R/bak SA 2000 means you can make millions of impressions at faster speeds without making adjustments. You save time, money and aggravation.

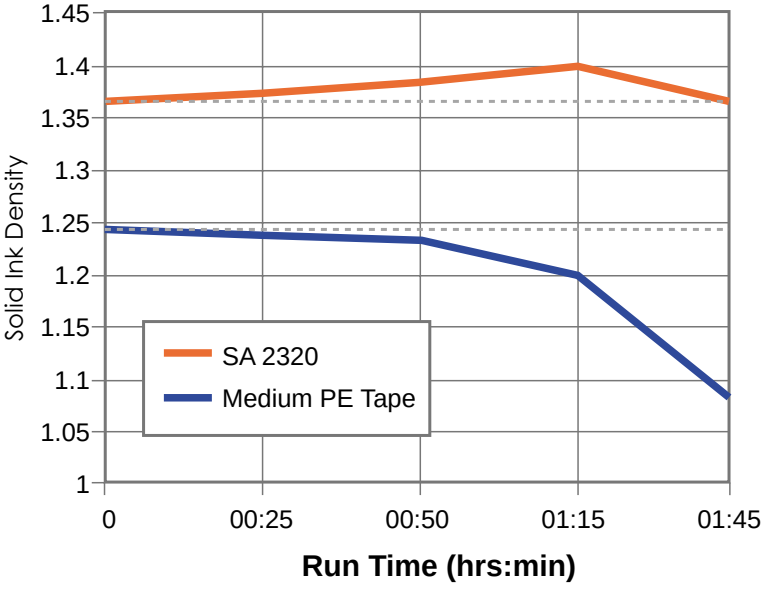
The Right Cushion for Each Job – from Solids to Screens
R/bak SA 2000 tapes deliver award-winning quality for all your flexographic print jobs. With three levels of compressibility, R/bak SA 2000 offers the right cushion for precise results across the board, from line to process.

Better Print Quality from Start to Finish
With R/bak SA 2000 cushion mounting tapes you can run even the largest jobs, knowing the results will be there. Because only the compressibility of R/bak open-cell urethane holds up to the rigors of flexographic printing.

Stop wasting time and money making on-press adjustments to achieve the results your customers demand. Instead, make a single business adjustment: change your tape to R/bak SA 2000. And deliver quality time and time again.

As Run-time Increases, the Superior Quality of R/bak SA 2000 Remains Consistent.

Initial print quality with R/bak SA 2320 tape.



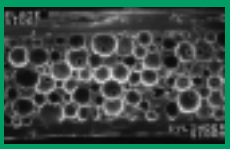
R/bak SA 2320 print quality after 1 hour and 45 minutes, with no adjustments.

Initial print quality with medium PE tape.

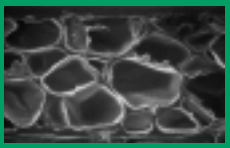
Medium PE tape print quality after 1 hour and 45 minutes, with no adjustments.

The Science Behind the Art of Better Flexographic Results.

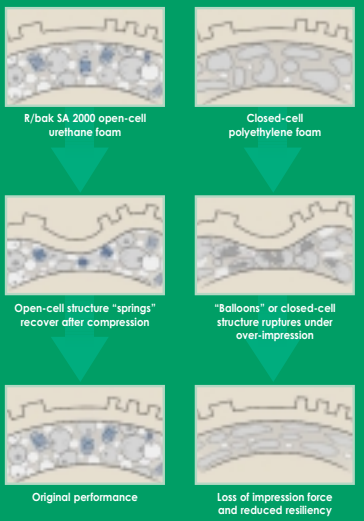
The big quality difference between R/bak SA 2000 and other tapes can best be seen by taking a microscopic look inside the foam. Open-cell urethane bounces back over and over again so that the tape provides the same level of cushioning no matter how many times it is compressed. Closed-cell polyethylene breaks down in use, not bouncing back and resulting in loss of ink density.



Open-cell urethane structure (magnified 100 times) naturally bounces back to deliver consistent results.



Closed-cell polyethylene's structure (magnified 100 times) changes with repeated use and requires repeated adjustments.



The Adhesive Difference.

The SA 2000 products utilize specially developed acrylic adhesive chemistry.

Repositioning –
R/bak SA 2000 allows for easy repositioning of plate and tape during make-ready

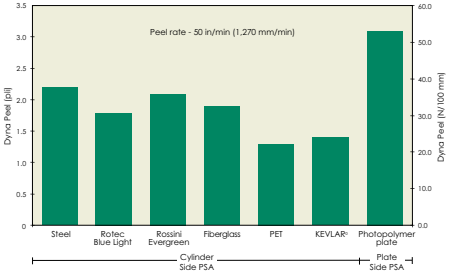
Improved solvent resistance –
acrylics stand up to alcohols and acetates commonly used in printing

Easier handling –
adhesive releases easily if contacted to itself

Complete removability –
no adhesive transfer to plates or cylinders

Peel Strength Performance of R/bak SA 2000 Adhesive System

The Dyna Peel test uses a method similar to Pressure Sensitive Tape Council procedure PSTC.00101.10 to better simulate on-press performance



R/bak SA 2000 Plate-Side Adhesive Solvent Resistance

Solvent	Performance
Water-Based Ink Cleanup (20%)	Excellent — no effect on PSA or plate hold-down ability
Isopropyl 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
80:20 Solution of n-propyl Alcohol and n-propyl Acetate	Good — minor swelling of adhesive, no effect on plate hold-down ability
Methyl-ethyl Keytone	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

A Cushion to Improve the Quality, Run-Time and Cost Benefit of any Flexographic Application.

R/bak® SA 2000 comes in three levels of compressibility to handle the complete range of flexographic printing, from process and fine screens to heavy solids.

And compressibility is important. *Compressibility, not density, determines performance on press.*

The chart below gives you the specifications for each of three families of R/bak SA 2000 cushion mounting tapes to help you determine which tape is best for a particular print job.

R/bak SA 2000 tapes:

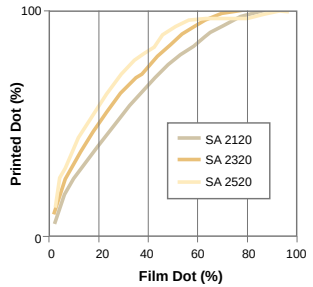
¥ Easy-on, easy-off acrylic adhesive

¥ Provide consistent print quality

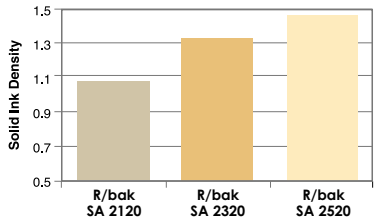
¥ Color-coded for easy identification in the press room

Compressibility – not Density – Determines Performance on Press.

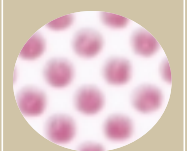
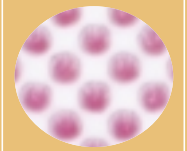
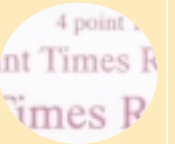
High Compressibility Foams for Reduced Dot Gain



Low Compressibility Foams for Better Solids



R/bak SA 2000 Compressibility Selector Guide

	Benefits and Applications	Color Name	Foam Type	Adhesive Type	Tape Thickness	Typical Compressibility @15%	Typical Compressibility @25%	Max. Use Temp.	Printed Dot Samples	Positive Text Samples	Reversed Text Samples
	**R/bak SA 2100** **Soft Combination** SA 2115 & SA 2120 — 15 & 20 mil tapes for combination jobs with demanding process and screen work	Chino	Open-Cell Microcellular Urethane	Differential Acrylic	SA 2115 — 0.015" (0.38 mm) SA 2120 — 0.020" (0.51 mm)*	SA 2115 — 10 psi (0.7 kg/cm²) SA 2120 — 10 psi (0.7 kg/cm²)	SA 2115 — 13 psi (0.9 kg/cm²) SA 2120 — 13 psi (0.9 kg/cm²)	150¡ F (66¡ C)			
	**R/bak SA 2300** **General Purpose** SA 2315 & SA 2320 — 15 & 20 mil tapes for combination jobs with screen, line and solid work	Deerskin	Open-Cell Microcellular Urethane	Differential Acrylic	SA 2315 — 0.015" (0.38 mm) SA 2320 — 0.020" (0.51 mm)*	SA 2315 — 17.5 psi (1.2 kg/cm²) SA 2320 — 17.5 psi (1.2 kg/cm²)	SA 2315 — 22 psi (1.5 kg/cm²) SA 2320 — 22 psi (1.5 kg/cm²)	150¡ F (66¡ C)			
	**R/bak SA 2500** **Firm Combination** SA 2520 — 20 mil tapes for line and solid work with darker screens	Bone	Open-Cell Microcellular Urethane	Differential Acrylic	SA 2520 — 0.020" (0.51 mm)*	SA 2520 — 28 psi (2.0 kg/cm²)	SA 2520 — 45 psi (3.2 kg/cm²)	150¡ F (66¡ C)			

* Thicknesses are listed as nominal thickness for printing operations.

The Mechanics of a Successful Flexographic Print Run.

Insure cylinder is clean prior to mounting tape. Allow sufficient time for cleaning solution to dry.

Apply tape to cylinder using light pressure with the palm of your hand or a squeegee. Avoid using fingertips as this will apply uneven pressure and increase likelihood of bubbles.

Insure that the back of the plate is clean prior to mounting.

Apply plate to cylinder using the same method described above for the tape.

For long runs with aggressive plate-cleaning techniques use edge seal to insure trouble-free operation.

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