

R/bak® Cushion Mounting Materials

R/bak⁰ Cushion Mounting Materials for Corrugated Printing

Improved Performance

Corrugated printers around the world benefit from R/bak® cushion mounting materials.

- ◆ Prints lines and bars with minimal distortion
- ◆ Prints scannable symbology
- ◆ Allows higher press speeds
- ◆ Reduces down-time for clean-up
- ◆ Reduces rejects due to board crush
- ◆ Extends plate life
- ◆ Prints well on damaged board
- ◆ Prints both solids and screens on the same plate.

R/bak Material Compressibility Creates the Difference

Elastomeric materials, such as flexo plates, displace rather than compress. When pressure is applied to the plate surface during printing, it moves laterally, causing line distortion, halos, and fill-ins.

R/bak cushion mounting materials offer compressibility. When pressure is applied to the surface of the R/bak substrate it is absorbed by the cell structure causing little or no distortion to the plate or image.

R/bak material performance is based on its uniform open cell structure and unique cell wall material formulation. R/bak micro-cellular urethane has an open interconnected cell structure that does not confine air. It compresses to absorb applied pressure, returning to its original state when pressure is released. R/bak material lasts over repeated usage. Closed cell compressible materials break down more quickly under pressure than materials with interconnecting cells.

Used Industry Wide

R/bak cushion mounting material is the industry leader in compressible materials, with proven performance benefits in corrugated printing. It can be used on the newest multi-color presses as well as older presses. From small labeling machines to huge multi-wall bag printing, the compressibility of R/bak cushion mounting materials has improved flexographic printing. R/bak materials eliminate many problems while improving print quality and productivity.

For more information on R/bak Cushion Mounting Materials, call a Rogers Product Specialist at 860.928.3622.

R/bak⁰ Cushion Mounting Materials – Handling and Storage Guide

R/bak cushion mounting materials should be handled with the same care as conventional printing plates.

Storage: If you received curved plates, handle and store them curved. Do not attempt to flatten out curved pre-mounts to inspect them. As with any curved plate, flattening them may destroy the adhesive bond between the plate and carrier, throw off the register, or cause the plates to become loose during printing.

Storage of any plate carrier configuration should prevent weight build-up on the plates. Hang plates or store them in tubes.

Cleaning: Care should be taken in cleaning. R/bak cushion mounting materials utilize the same water wash and detergent cleaning used on normal printing plates. To prevent damage to the printing plates, harsh solvents should be avoided. Follow supplier recommendations.

Rubber and compressible materials will swell somewhat when soaked with solvent. R/bak material is most vulnerable to damage when solvent soaked. Because of its open cell structure, undamaged R/bak material will regain its original performance properties once dried.

The information contained in this guide is intended to assist you in designing with Rogers R/bak cushion mounting materials. It is not intended to and does not create any warranties, express or implied, including any warranty of merchantability or fitness for a particular application. The user should determine the suitability of Rogers R/bak cushion mounting materials for each application.