



TECHNICAL BULLETIN



Conform Series With RLA®

***Release Liner Adhesion...
An R Tape Innovation,
Imitated, Never Duplicated.***

R Tape Corporation

An IGI Company

6 Ingersoll Rd, South Plainfield, NJ 07080

Phone: 908-753-5570

Fax: 908-753-5014

Toll Free: 1-800-440-1250

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R TAPE CONFORM SERIES® WITH RLA® RELEASE LINER ADHESION TECHNOLOGY



Graphics masked with ordinary application tape are prone to wrinkling, tunneling and edge curling, especially when rolled!



R Tape Conform Series® Application tapes and premasks exhibit superior lay flat and resist edge curl and tunneling for a neat, professional appearance.

Features & Benefits

- Sticks to slick release liners.
- Graphics do not dog ear & stick together.
- Fewer problems when shipping rolled graphics.
- Graphics look more professional & have more sales appeal.
- Reduced graphics damage means fewer customer complaints
- Better looking applied graphics with fewer wrinkles & bubbles.
- A Comprehensive family of Standard & Premium grade tapes in a variety of tack levels from low to extra high.

R Tape Conform Series® encompasses a comprehensive line of standard and premium grade application tapes and premium grade premasks for UV inks and clear coats. A full range of tack levels (low, medium, high and ultra-high) is available for each paper grade.

Each product offering in the R Tape Conform Series® features its advanced RLA™ adhesive technology in release liner adhesion. Special adhesive additives allow the tapes to stick to slick silicone release liners. Because these tapes lay flat and conform to the liners, even when rolled, the Conform Series® products resist wrinkling, tunneling and edge curling.

The premium grade Conform Series® premasks are also specially formulated to adhere to UV screen printing inks and clear coats. In some cases, these premasks adhere so well to the liner that they eliminate the need for heat and vacuum application equipment. The lay flat and conformability characteristics make the premasks an excellent choice for the large format truck and building graphics programs, requiring prolonged storage. Because R Tape Conform Series® tapes resist edge curl and tunneling, stay neat and clean, they present a professional image. What's more, in transporting vinyl markings to a job site, graphics do not dog ear and stick together. Wrinkle-free graphics also result in wrinkle-free application.

R Tape Conform Series® tapes also feature the clean-tearing, no-legging adhesive system, which has been incorporated into our existing line. The improved adhesive system allows the product to be torn with no adhesive legging. R Tape Conform Series® tapes also handle much easier. If adhesive touches adhesive, the forgiving adhesive system permits the user to pull the tape apart easily with no adhesive delamination. The improved application tapes also perform remarkably well, when using wet application techniques. The new technology anchors the adhesive to the paper facestock, preventing adhesive transfer to vinyl graphics, eliminating time-consuming clean up.

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**R TAPE CONFORM SERIES® WITH RLA®
PRODUCT DESCRIPTION**



Conform® Series Lays Flat!



Brand X Wrinkles & Curls!

PART #	PRODUCT DESCRIPTION
4000-RLA®	Standard Grade Paper. Low Tack. Perfect premask for large vinyl graphics, digital prints and surface protection of plastic and metals.
4050-RLA®	Standard Grade Paper. Medium Tack. Excellent application tape for large computer cut graphics, die-cut lettering & fleet graphics.
4075-RLA®	Standard Grade Paper. High Tack. <i>The most popular choice for most sign shop applications.</i> Excellent for small, medium and large-size computer cut letters. Excellent for wet applications.
4076-RLA®	Standard Grade Paper. Slightly Higher Tack. Excellent for hard to transfer European vinyls, small & medium-size letters, specialty vinyls and thermal die cuts.
4750-RLA®	Premium Grade Paper. Medium Tack. Superior choice for fleet graphics, large & medium-size computer graphics.
4760-RLA®	Premium Grade Paper. Medium/High Tack. Excellent for medium-sized decals, striping & die-cut graphics. Adheres to rough textures of halftone prints and the slick decal surfaces of UV inks and clear coats.
4775-RLA®	Premium Grade Paper. High Tack. Excellent for smaller graphics and die cuts. Excellent choice for fleet graphics.

ASK YOUR DISTRIBUTOR FOR FACTORY CUT ROLLS!

All R Tape Conform Series Application Tapes are available in these Factory Cut Roll sizes: 1-1/4", 2-1/4", 3-1/4", 5-1/4", 6-1/2", 8-1/2", 10-1/2", 12", 14", 15", 16" 18", 20", 24", 30", 36", 48" and 60". Factory Cut Rolls are rewound and slit to size layer by layer at R Tape during production to provide clean, sharp edges, which eliminates inopportune snagging or tearing during unwind at the shop. Ask your R Tape Distributor for Factory Cut Rolls.

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4050RLA®

STANDARD GRADE SIGN MAKER'S APPLICATION TAPE WITH RELEASE LINER ADHESION TECHNOLOGY

BACKING

A standard weight latex saturated paper designed specifically for premask, prespace and application tape requirements.

ADHESIVE

A natural latex adhesive with medium tack levels, which achieves transfer and premasking of mid-sized die cut or prespaced vinyl and printed graphics.

R TAPE RELEASE LINER ADHESION (RLA™) PERFORMANCE FEATURES

R Tape Premasks upgraded with RLA™ technology have improved adhesion to paper or film release liners, yet maintain the specified adhesion level to the vinyl or printed graphic. R Tape RLA Premasks anchor themselves to the release liner for superior lay flat to prevent tunneling and edge curling of stacked or rolled graphics. Some R Tape RLA products significantly reduce the need for heat and vacuum process after lamination.

PHYSICAL SPECIFICATIONS	
Adhesive	Natural Latex
Color	White/Translucent
Tape Thickness (microns)	100 – 113
*Adhesion to Steel (oz./in. width)	13 – 15
Tensile (lb./in.)	17
Elongation	3 – 4%
Tear Resistance (grams)	50

* Adhesion PSTC-1, 1 minute on stainless steel at time of manufacture.

APPLICATIONS

- Application tape for medium sized graphics.
- Premask for printed vinyl graphics.
- Clean transfer with wet application.
- All purpose transfer and prespace tape.

WARRANTY: TAPES ARE ONLY WARRANTED TO BE FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL AT TIME OF SHIPMENT. MANUFACTURER WILL REPLACE OR CREDIT ANY MATERIAL MANUFACTURER DEEMS DEFECTIVE. NO ACCEPTANCE OR RESPONSIBILITY FOR LOSS, DAMAGE, OR EXPENSE, IMPLIED OR OTHERWISE, SHALL BE ASSUMED BY SELLER OR MANUFACTURER. USER ASSUMES ALL RISK AND LIABILITY IN CONNECTION HEREWITH.

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4050-RLA Spec Sheet/Issue #01/062299



4075RLA®

STANDARD GRADE SIGN MAKER'S APPLICATION TAPE WITH RELEASE LINER ADHESION TECHNOLOGY

BACKING

A standard weight saturated paper with high elongation, resistance to abrasion and moisture, with greater conformability to facilitate immediate placement and transfer of small to large graphics.

ADHESIVE

A natural rubber adhesive with high tack levels to achieve more consistent transfer of computerized vinyl graphics regardless of size and type. The stable adhesive system permits longer time periods between application of the tape and the actual transfer.

R TAPE RELEASE LINER ADHESION (RLA™) PERFORMANCE FEATURES

R Tape Premasks upgraded with RLA™ technology have improved adhesion to paper or film release liners, yet maintain the specified adhesion level to the vinyl or printed graphic. R Tape RLA™ Premasks anchor themselves to the release liner for superior lay flat to prevent tunneling and edge curling of stacked or rolled graphics.

PHYSICAL SPECIFICATIONS	
Adhesive	Natural Rubber
Color	White/Translucent
Tape Thickness (mils)	4.0 – 4.5
*Adhesion to Steel (oz./in. width)	16 – 18
Tensile (lb./in.)	17
Elongation	3 – 4%
Tear Resistance (grams)	50

** Adhesion PSTC-1, 1 minute on stainless steel at time of manufacture.*

APPLICATIONS

High adhesion level combined with the high tensile, elongation and tear resistant paper provides the sign maker and decal manufacturer with the best possible combination of application tape and pre-space tape. Plus, the ability to store or roll finished graphics without the lifting or tunneling of tape from liner.

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