

# Quad Supplier Specifications for Roll Paper



This document provides direction on expectations for supplying roll paper to our Magazine/Catalog, Commercial, Direct Mail, Special Interest Publication, and Retail plant locations.

Specific topics include:

- Order Acknowledgments
- Order Specifications
- Shipment Instructions
- Paper Performance
- Paper Claims
- Slitter/Rewinder Specifications

## ORDER ACKNOWLEDGMENTS

Following Quad's protocol for acknowledging paper orders helps us plan for future warehousing space requirements and placement.

### FOR PAPER PURCHASED BY QUAD

Acknowledgments on all orders should be emailed to [Paper.Acknowledgment@quad.com](mailto:Paper.Acknowledgment@quad.com) no later than one business day after the buyer has placed the order.

The following information should be included in detail:

- Quad PO#
- Mill Order #
- CWT price
- Mill location and machine number
- Grade name
- Basis weight (B25x38)
- Web width
- Diameter(s)
- Manufacture date
- Quantity
- Ship date
- Mode of transit
- Planned freight cost
- Core type and diameter
- Last date of change
- Allocation month
- Delivery window
- PPI/Caliper
- Title and Event date if provided by Quad
- Certifications (FSC, PEFC, SFI, etc.)
- Quad's Paper Services will email the purchase order the same business day that the order is placed with the paper supplier.
- Purchase orders will indicate press type.

### FOR CUSTOMER SUPPLIED PAPER

Customer acknowledgments should be faxed or emailed to the individual Quad facilities. Fax numbers and plant contacts are listed at the end of these specifications. [Quad.com](http://Quad.com)

At a minimum, Quad prefers notification on:

- Customer Purchase Order
- Mill Order #
- Mill location and machine number
- Grade name
- Basis weight (B25x38)
- Web width
- Diameter(s)
- Manufacture date
- Quantity
- Ship date
- Press date
- Mode of transit
- Core type and diameter
- Delivery date
- PPI/Caliper
- Title and Event date if provided by Quad
- Certifications (FSC, PEFC, SFI, etc.)
- For all offset rolls, it is imperative that the customer supplies press type information to the paper mill, i.e., M3000 (2x6), M3000 (2x8), M1000 (2x4), M110, MAN-Roland (4x6), C500, C700, Gravure, etc. This will be used to determine the minimum and maximum outside diameters.

## ORDER SPECIFICATIONS

These are our specifications for any paper coming into the previously mentioned Quad plants. Note that for Quad purchased paper, orders are placed in net weight requirements. Net weight is calculated as gross weight (header, wrap, white paper, and core) less core weight. Note that for customer-supplied paper, quoted requirements reflect the amount of white paper to be run through press, excluding the weight of wrappers, headers, cores and core plugs. The customer is responsible for supplying adequate amounts of white paper.

## ROLL WEIGHTS

- Roll labels and manifests should list gross, tare and net weights in pounds.
- Tare weight includes core and core plugs.
- Gross weight includes wrapper, header, core and core plugs.

## ROLL WIDTH

- The exact roll width size is required (+ / - 1/32").

## CORE SPECIFICATIONS

- All cores are plain high strength fiber.
- Core type should be noted on EDI or packing slip.
- Core plugs are required on all rolls with a core wall thickness of less than 0.660 inches.
- If core wall thickness is greater than 0.660 inches, core plugs will not be required.
- No metal end caps or notches.
- Core width not to exceed paper width, and not less than 1/16 inches less than paper width.
- Diameter and thickness should be indicated on manifests and EDI.
- 6 inch ID cores required on all rolls greater than 97.5 inches.
- Gravure: Core size is required to be the same for all orders intended to run within the same job#/event. Mixing of 3" and 6" cores will result in a claimable situation for recovery of downtime due to press stop and additional machine set up.
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## ROLL LABELS

- Quad requires adherence to the IDEAlliance Guidelines for Paper Roll and Package Labeling Specifications as set forth in IDEAlliance Standard 132-1997, and the North American Roll Identifier IDEAlliance Standard-1995.
- There should be two labels (minimum) with all required information, attached to the roll wrapper by means of an adhesive backing. Each label should have the following information:
  - Grade name and type of paper.
  - Basis weight and roll width.
  - Mill roll number (Barcode mandatory).
  - Publisher name. When purchased by a merchant, the merchant is required to furnish the Publisher's name/order number to the mill.
  - Title and/or purchase order number.

## BASIS WEIGHT TOLERANCE

- Overweight paper is not desirable. The target should be from nominal to .25 light. The average basis weight should be as close as possible to nominal basis weight.

### *For Quad Purchased Paper*

- Aggregate basis.
- If the average is overweight, Quad may debit the mill and provide documentation.
- If the average is underweight, the mill will be notified to rectify the underweight issue.
- Quad's basis weight variance calculation will be used in verifying average basis weights. Quad's calculations will supersede mill figures. Quad compares actual impressions to theoretical impressions based upon stated roll weight, basis weight and width of roll. If the actual impressions are less than the theoretical impressions that have been calculated, the paper is considered heavy.
- Quad reserves the right to hold the supplier responsible for individual orders.
- For point/caliper stock in cover and book grades, overall basis weight variation shall have a tolerance of +3/-3% of ordered basis weight.
- Quad will audit basis weight and discuss results with suppliers during quarterly scorecard reviews.

| Roll Diameter                             | Diameter    |     |       |     | Max Weight         |
|---|-------------|-----|-------|-----|--------------------|
|   | Core        | Min | Ideal | Max |                    |
| <b>Press</b>                              |             |     |       |     |                    |
| <b>Offset</b>                             |             |     |       |     |                    |
| Up to 26.5" (Custom)                      | 3"          | 40" | 50"   | 50" | 96# / Linear Inch* |
| Over 25.6" and up to 38" (2x4)            | 3"          | 40" | 50"   | 50" | 96# / Linear Inch* |
| Over 38" and up to 57" (2x6)              | 3"          | 45" | 50"   | 50" | 5,300#             |
| Over 57" and up to 72" (2x8)              | 3"          | 45" | 50"   | 50" | 8,200#             |
| Lomira - C500 up to 39.5"                 | 3"          | 45" | 50"   | 50" | 5,000#             |
| Lomira - S2000 up to 56"                  | 3"          | 45" | 50"   | 50" | 8,000#             |
| <b>Gravure</b>                            |             |     |       |     |                    |
| Lomira - up to 96"                        | 3" or 6"*** | 45" | 50"   | 50" | 7,500#             |
| Martinsburg [Caperton Blvd]/Oklahoma City |             |     |       |     |                    |
| Up to 97.5"                               | 3" or 6"*** | 45" | 50"   | 50" | 8,800#             |
| Over 97.5" and up to 108"                 | 6"          | 45" | 50"   | 50" | 10,100#            |

For example, a 30" roll cannot exceed 2,880#; a 38" roll cannot exceed 3,420# \*\*For gravure, 6" core diameters are preferred.

## ROLL STENCILING

- Roll Number Stencils must be on at least one end of the unwrapped roll, but we prefer that both ends be stenciled.
- The size of the stencil and location must be as close to the core as possible, and no more than 10 inches from the core as not to interfere with auto paster detectors.
- Please indicate the roll's unwind direction with an arrow on roll label.

## SHIPMENT SPECIFICATIONS

### Over/Under Delivery Specifications

For Quad purchased paper, all over shipments on orders greater than 44,000 lbs.

\*will result in a rejection of the over shipped roll(s).

| FOR ORDERS BETWEEN:   | TOLERANCE                                |
|-----------------------|--|
| 2,000 to 4,999 lbs.   | +/- 20%                                  |
| 5,000 to 9,999 lbs.   | +/- 10%                                  |
| 10,000 to 43,999 lbs. | +/- 5%                                   |
| 44,000 lbs. or more*  | Not more than, to the nearest roll under |

\*Once a shipment becomes greater than a truckload

## SHIPPING RECORDS

In order to help ensure that paper is received in a timely manner, as it is shipped, or before, we ask that the paper mill send Quad a copy of the shipment manifest by electronic transmission prepared and transmitted in accordance with the papiNet Delivery Message standard. Roll size and weight information should be specified in inches and pounds.

All electronic transmissions should be directed to Quad's Information Technology Department at 414.566.6000.

## TRANSPORTATION

Whether paper is shipped via rail or truck, the following equipment and loading requirements must be met for the paper to arrive in good

condition. We expect adherence to the requirements, as they will minimize claims among other mutually beneficial outcomes.

## RAIL CAR LOADING

- Quad prefers high cube railcars with 8 feet or wider doors and with cushioned underframe.
- Do not bilge load. Load all rolls on end, unless prior approval for loading patterns is given by the receiving department.
- Load rolls of paper using the guidelines prescribed in the Association of American Railroads Pamphlet 39, or other specific loading and bracing methods, which have received approval of the American Railroads Freight and Damage Prevention Division.

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## TRUCK LOADING

- No rolls on skids.
- No rolls on refrigerated trailers.
- Container and truck/trailers are to have a minimum door opening of 92 inches. The inside height clearance on all containers must be at least 92 inches. Any containers under 92 inches cannot be unloaded.
- Paper is received at all Quad facilities 24 hours per day, 7 days per week, and most holidays, by appointment only.
- Appointments for each plant are to be made 48 hours in advance Monday through Friday, 7:00 AM through 5:00 PM. Truckloads may be directed to other Quad facilities upon arrival.
- Quad will not be responsible for reconsignment fees for distances of 10 miles or less.
- When calling for an appointment, the PURCHASE ORDER is required to ensure delivery to the correct facility, and to accommodate the delivery due date, based on receiving paper 24 hours a day, 7 days a week.
- When the carrier calls for an appointment, they will be given an appointment number. This number will be needed for off loading of roll stock and will expedite unloading.
- No metal strapping. All strapping material should be made of synthetic material to reduce the risk of injury at time of loading and unloading.
- Use of proper dunnage (airbags, risers, etc) is required.

## DELIVERY TIMING

- Due dates for all deliveries will be noted on Quad Purchase Orders, or on the customer PO for customer-supplied paper. Deliveries are to be made five days prior to press for Mag/Cat, DM, SIP plants. Retail plant deliveries are to be made 2 days prior to press. Deliveries which arrive early may be subject to prevailing Handling/Storage charges.
- Early delivery charges will not apply to orders less than 45,000 pounds.

## LATE DELIVERIES

- Late deliveries will be reviewed by our Purchasing department and paper mills on a case-by-case basis. Deliveries will be

considered late if the paper mill fails to meet the mutually agreed upon delivery dates established by paper mill and communicated to our Purchasing department at the time the order was acknowledged.

- Deliveries may be refused if paper shipments are late and received after the job is off press, if no further identifiable use is found for the paper.

## DELIVERY INFORMATION

Paper is received at Quad's print facilities 24 hours per day, 7 days per week, and most holidays. The exception is the Sussex Warehouse, which receives paper 7 days per week from 7:00 AM through 5:00 PM.

### *Deliveries are by appointment only.*

Appointments are to be made 48 hours in advance by calling the specific facility Monday through Friday, 7:00 AM through 5:00 PM.

When the carrier calls for an appointment, they will be given an appointment number. This number will be needed for offloading of roll stock.

When calling for an appointment, the Purchase Order is required to ensure delivery to the correct facility, and to accommodate delivery due date.

## PAPER STORAGE

Quad will not charge storage fees for paper that is received within the timelines required for manufacturing. To the extent Quad stores any paper in our facilities outside of these timelines, Client will be subject to a storage charge beginning in the month that marks 30 days following receipt of such paper. Quad's ability to store such paper is subject to space availability.

Quad will request disposition instructions for aged paper in Client ownership. If Client fails to provide disposition instructions within 15 days following our written notice, then Quad will have the right to scrap such paper. If long term warehousing is desired by client, a long term agreement must be signed with corresponding long term storage fee.

If Client decides to modify or transfer paper out of Quad's facility(ies) for any reason, Quad reserves the right to assess a disposition charge for the warehouse services Quad provides to move and prepare that paper for shipment. This includes paper Quad is instructed to scrap or sell.

## PAPER PERFORMANCE

### Mill Splices

- No more than two mill splices per roll (any diameter).
- No more than 30 mill splices per 100 rolls.
- All mill splices must be clearly marked on roll label and clearly marked on end of roll.
- No mill splices should be within 1 inch of each other.

### Web Break Performance

- Allowance is 3 web breaks per 10 million linear feet of consumption in Offset and 1.5 per 10 million linear feet in Gravure.
- Quad may debit the following for each web break in excess of 3/10 mm linear feet for offset presses and 1.5/10 mm feet for gravure presses:

|                   |        |
|-------------------|--------|
| Gravure:          | \$1000 |
| M1000 (2x4):      | \$550  |
| M3000 (2x6):      | \$750  |
| M3000 (2x8):      | \$1000 |
| M110:             | \$550  |
| MAN Roland (2x6): | \$750  |
| MAN Roland (4x6): | \$750  |

Quad will make reasonable attempts to notify mill technical personnel as problems arise.

## PAPER CLAIMS

- Notification of transit claims will be filed directly with the originating paper mill. In the cases where paper was shipped from another printer, claim documentation will be forwarded to the papers' owner. Resolution of the claim is then the responsibility of the owner.
- Notification of defective roll claims will be filed directly with the paper supplier. Quad will provide evidence of damages.
- Claims are to be resolved within 21 calendar

days from the file date. Roll disposition is required. If disposition is not received within 21 days, Quad reserves the right to scrap the rolls at the salvage value of \$35/ton.

- Disputed claims that remain unresolved after 21 calendar days will be forwarded to Quad's Paper Purchasing department for resolution.
- No time limit exists for Quad discovering concealed water damage. We will do our best to report cases as they are discovered.
- Press production claims (see the previous section on paper performance) will be filed directly with the mill. Reimbursement from the paper supplier will be the customer's responsibility.

## SLITTER/REWINDER SPECIFICATIONS

The following outlines the specifications for Quad's slitting/rewinding services. We operate a 96" Cameron CT-16 Two Drum Slitter/Rewinder.

|                                   |                |
|-----------------------------------|----------------|
| Maximum Web Width                 | 96"            |
| Minimum Width of Unwind Roll      | 9"             |
| Maximum Roll Diameter             | 60"            |
| Maximum Rewind Diameter           | 60"            |
| Unwind Core Diameters             | 3" and 6" I.D. |
| Rewind Core Diameters             | 3" and 6" I.D. |
| Minimum Trim Required             | 1/4"           |
| Maximum No. of Slits Strips       | 8"             |
| Minimum Width of Slit Strips      | 12"            |
| Slitting Method/Wrap-around Shear | 4000 FPM       |
| Maximum Web Speed                 |                |

## ROLL WRAP SYSTEM

Automated Roll Wrapping  
(accommodates full range of diameters)

Header Press

Individual or Multi-pack Wrapping

Kraft or Stretch Wrapped

## FOR MORE INFORMATION CONTACT

Vance Malzhan  
920.269.5725  
vance.malzhan@quad.com

See how we can help.

     866.824.2869  info@quad.com [Quad.com](http://Quad.com)

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