

WDP3200 (48") / WDP3201 (60") Dissolvable Paper

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Description	Applications and End Uses		
Product	WDP3200 & WDP3201 uses a 3 mil dissolvable uncoated litho facestock with an acrylic emulsion permanent adhesive designed to dissolve in water on a 2.5 mil CK liner. Roll-to-Roll Applications.		
Face	3 mil white uncoated facestock. The paper is flexo printable and die cuts and converts well. Also, it will completely dissolve in less than 30 seconds in water of any temperature.		
	Physical Properties Without Adhesive		
	Caliper, inches	0.0030 +/- 10%	TAPPI T-411
	Brightness % Reflectance at 75° angle	80	TAPPI T-452
	Gloss % Reflectance at 75° angle	7	TAPPI T-480
	Opacity	75	TAPPI T-425
	Tensile, lbs./in.	10 MD 4 CD	TAPPI T-494
	Basis Weight, lbs. (25" x 38"/500 sheets)	40 +/- 10%	TAPPI T-410
Adhesive	MD-332 is a general-purpose permanent acrylic emulsion with aggressive initial tack, excellent ultimate adhesion.		
	Physical Properties of Adhesive		
	Thickness, inches	0.0007 +/- 10%	
	90°Peel Adhesion, lbs./in.	Stainless Steel: 2	PSTC-101F (30 min. applied)
	Temperature Ranges		
	Minimum Application	25° F (-4°C)	CTM #45 Curwood
	Service Ranges	-40 to +175° F (-40 to +80°C)	Polyester Film Dry Surface
Liner	A semi-bleached calendared kraft liner excellent for die cutting, stripping and label dispensing. Primarily for roll-to roll applications.		
	Caliper, inches	0.0025 +/- 10%	TAPPI T-411
	Basis Weight, lbs. (24" x 36"/500 sheets)	40 +/- 10%	TAPPI T-410
Shelf Life	9 months when stored at 72° F and 50% R.H.		

This product complies with CONEG regulations.

All Mactac Roll Label products meet the requirements of the Clean Air Act of 1990.

Note: The user is responsible for determining the product's suitability for all aspects of the application. If there are any questions about applications, or regulatory compliances, please contact your Mactac sales representative to discuss your requirements for recommendations. If this is a printed Performance Guide, it is an uncontrolled document. Please check the Mactac website for the latest, most-up-to-date version.

** Values given are typical for unprocessed product and are not for use as specifications. Processing may change the values.*

CALL 1-800-548-3456 for additional product information

Best Practices for Converting, Storing and Shipping WDP3200 & WDP3201 Water Soluble Labelstock

Converting – Printing - Die Cutting:

WDP3200 & WDP3201 water soluble material is;

- Compatible with water soluble inks.
- Compatible with digital inks including Indigo, Thermal Transfer and Laser (please note these types of print may not dissolve in water).

With WDP3200 & WDP3201 water soluble material;

- Varnish will impede the dissolvability.
- Oil will also impede the dissolvability, including Cooking oils.
- The dominate ink color will tint the water when dissolved.

WDP3200 & WDP3201 water soluble material;

- Will be abrasive to printing plates due to the rough facestock.
- Can be die cut with either rotary or flatbed dies.
- May cause excessive die wear. Use sharp dies when converting.
- Use of abrasion resistant coating is recommended.
- Best results if you die cut radius corners vs square corners.

Caution: Excess water in the converting process can result in damage.

Storing and Shipping:

Slit Rolls – It is recommended that slit rolls of WDP3200 & WDP3201 arrive bagged and shrink wrapped and remain shrink wrapped until converted.

Converted Rolls – should be bagged and shrink wrapped to the end user.

Temperature and Humidity – WDP3200 & WDP3201 should be stored in a temperature and humidity controlled environment. Conditions above 70°F and 50RH (relative humidity) can decrease expected performance of product.

Caution: Water is the enemy! WDP3200 & WDP3201 must be kept dry.

IMPORTANT NOTICE: The information given and recommendations made herein are based on our research and are believed to be accurate. In every case, user shall determine before using any product in full scale production, whether such product is suitable for their particular purpose under their own operating conditions. User assumes all risk and liability whatsoever in connection with their use of any product. The products discussed herein are sold without any warranty as to merchantability or any other warranty, expressed or implied. No representative of ours has any authority to waive or change the foregoing provisions unless in a specific agreement signed by the officers of seller and manufacturer. Ultimately, sellers and manufacturers only obligation shall be to replace or credit such quantity of the product proved to be defective at its discretion.

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