

## HIGH PERFORMANCE COATINGS TOUCHKOTE™, ENHANCED OPTICAL, REFINISHABLE and FLAT FINISH

### PHYSICAL PROPERTIES

	Typical Test Results	Comments
Paper Basis Weight	30 and 45 gram	60 and 80 gram also available
Paper Opacity	50 and 97	Dependent on paper grade and number of ink stages
Gloss	15 to 45 (± 0.5)	60-degree gloss meter, ASTM D 523
Abrasion Wear Index	>160 cycles to first wear	Taber CS 10 – 500 g
MEK Resistance	>175 rubs	Based on MEK rub tester with double rubs
Scratch Resistance	210 g	Modified Hoffman tester
Tape Release	10 pulls	3M #600
Light Fast	>200	QUV 351

### 24 HOUR STAIN RESISTANCE\*

Staining Agent	Typical Test Result	Comments
Water	No appreciable discoloration or stain	Some types of board and glue will contribute to grain-raise
Lemon Juice	No appreciable discoloration or stain	
Grape Juice	No appreciable discoloration or stain	
Ketchup	No appreciable discoloration or stain	
Coffee	No appreciable discoloration or stain	
Vinegar	No appreciable discoloration or stain	
Mustard	Appreciable discoloration or stain	No appreciable discoloration or stain after 1 hour
Cooking Oils**	Appreciable discoloration or stain	May show stain after 1 hour

\* TouchKote and Enhanced Optical Coatings may not pass the 24-hour stain test (board and glue may affect results).

\*\* Olive oil is intended to represent most common cooking oils, grease and lightweight industrial oils.

**Stain Test Conditions:** 3 mL of staining agent applied at room temperature in a vertical position and allowed to stand for 24 hours prior to being cleaned. Laminating method, laminating adhesive, substrate board type, product handling and use environment can affect test results.

**Please Note:** OMNOVA does not test nor warrant for stain properties on refinishable products.

**Care and Maintenance:** To maintain the appearance and performance of our Paper Laminates, OMNOVA recommends that all foreign substances – such as oils, food, liquids, etc. – be promptly removed from the surface with a soft, water-moistened cloth followed by a dry, soft cloth. Cleaners like Formula 409®, PineSol® and similar cleaning products may damage the product and must be avoided. In addition, do not set hot items on the laminated surface to avoid the possibility of blistering.

**Machining and Lamination:** OMNOVA recommends that equipment used during the lamination process be clean and properly maintained – oil, solvents, etc. – transferred from the equipment can become trapped behind the paper substrate and cause unsightly bleed-through or discoloration of the laminate's surface. OMNOVA also recommends the use of carbide-coated cutting tools operated at high speeds to help reduce stress on the paper.

**Disposal:** OMNOVA recommends that local and regional regulatory agencies be consulted prior to disposal of process scrap.

**Laminate Selection:** Though our laminates can be used in many applications, all laminates are sold with the understanding that customers will make their own independent determination whether a particular laminate has the durability and other performance attributes required for the specific end-use laminate application – *not all laminates are suitable for all applications.*

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2011 Rocky River Road  
Monroe, NC 28110  
704.289.6441 • Fax: 704.289.8182

866.332.5226  
laminates@omnova.com  
www.omnova.com/laminates



OMNOVA Solutions Inc. • 175 Ghent Road • Fairlawn, OH 44333  
Telephone: 330-869-4200 • www.omnova.com

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