



Technical Data

UV-Cured Powder Coating on MDF

Adhesion	ASTM D3359, Method A	No loss of adhesion
Impact	NEMA LD3-1995, 3.8 224g steel ball 1.5" diameter	No cracking at 48"
Thickness	ASTM D4138, Method A Destructive, Tooke Gauge	3 – 4 mils
Abrasion Resistance	ASTM D4060, CS-17 Wheel 500g, 500 cycles	30 – 35 mg
Scratch Resistance	500g weight on corrugated cardboard 4" movement, repeated 5 times, same location	No effect, no signs of wear or damage
Boiling Water Resistance	NEMA LD3-2005, 3.4 20 minutes exposure	No effect
Cleanability/Stain Resistance		
10% citric acid	NEMA LD3-2005, 3.4	No effect
Vegetable oil	NEMA LD3-2005, 3.4	No effect
Coffee	NEMA LD3-2005, 3.4	No effect
Tea	NEMA LD3-2005, 3.4	No effect
Milk	NEMA LD3-2005, 3.4	No effect
Catsup	NEMA LD3-2005, 3.4	No effect
Mustard	NEMA LD3-2005, 3.4	No effect
Vinegar	NEMA LD3-2005, 3.4	No effect
Red lipstick	NEMA LD3-2005, 3.4	No effect
Grape juice	NEMA LD3-2005, 3.4	No effect
Black permanent marker	NEMA LD3-2005, 3.4	No effect
#2 pencil lead	NEMA LD3-2005, 3.4	No effect

Available Colors and Products

Keyland Polymer can develop a custom powder to match any color– from RAL and Pantone standards to customer supplied samples; including metallic and speckle finishes.

Our in-house coating, formulation and testing laboratory allows us to develop and validate coatings for your specific product application and performance requirements.

Contact us today to learn how we can provide you with a fast, clean and green powder coating finish on the web at www.keylandpolymer.com.

Disclaimer: The information contained in this bulletin is correct to the best of our knowledge and test results. The recommendations and suggestions herein are made without guarantee or representation of results. We recommend adequate testing in your laboratory or plant to determine if this product meets all of your finish requirements.

Keyland Polymer Ltd.

Manufacturer of UV-Curable Powder Coatings

4621 Hinckley Industrial Parkway Suite 8 Cleveland, OH 44109 USA
P: 216-741-7915 info@keylandpolymer.com www.keylandpolymer.com