



Technical Data – Powder Coating Wood & MDF

Powder Coating Properties - Wood & MDF:

60° Gloss	ASTM D 523	10 – 90
Film Build	ASTM D 4138, Method A Destructive Tooke Gauge	3 – 5 mils
Adhesion	ASTM D 3359, Method A- X-Scribe	4A minimum
Pencil Hardness	ASTM D 3363-05 Scratch	H – 4H
MEK Resistance	PCI Test Method # 8	No softening after 50 rubs
Abrasion Resistance	ASTM D 4060, CS-17 Wheel 500g, 500 cycles	30 – 35 mg material loss
Impact Resistance	NEMA LD3-2005, 3.8 224g Steel ball 1.5" diameter	Pass 35" no cracking
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 3.5	20 minutes exposure

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	Slight 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	Effect
#2 pencil lead	NEMA LD3-2005, 3.4	No Effect

NB22-15K28T1 (12/10/15)

Available Colors:

The Powder Manufacturer can develop a custom powder to match any RAL, Pantone (PMS), laminate, liquid paint or other sample the customer may have, including metallic and speckle finishes. Their coating, formulation and testing laboratory allows them to develop and validate coatings for customer specific product application and performance requirements.