

Surface Properties

Tests for Resistance to:	Test Description	Solid Colors	Wood Grains & Patterns	NEMA LD3-2005 Vert. Grade Laminate Min. Performance Std.
Wear	A measure of the ability of a decorative overlaid surface to maintain its design or color when subject to prolonged abrasive wear.	400 Cycles	125 cycles	400 cycles
Scuff	A measure of the ability of a decorative overlaid surface to maintain its appearance when subjected to prolonged scraping or scuffing.	No Effect	No Effect	No Effect
Stain	A measure of the ability of a decorative overlaid surface to resist any discoloration or marring by a prolonged contact with 15 chemical reagents ¹ .	No Effect 1-11 & 15 Moderate 12-14	No Effect 1-11 & 15 Moderate 12-14	No Effect 1-10 Moderate 11-15
Cleanability	A measure of the ease of cleanability and stain resistance of a decorative overlaid surface by common household substances.	No Effect Surface cleaned in 10 or fewer strokes	No Effect Surface cleaned in 10 or fewer strokes	Surface cleaned in 20 or fewer strokes
Light	A measure of the ability of a decorative surface to retain its color after prolonged exposure to a light source having a frequency range approximating sunlight through window glass.	Slight	Slight	Slight
High Temperature	A measure of the ability of a decorative overlaid surface to maintain its color and surface texture when a pot, at a temperature of 180° C (365° F), is placed on it for 20 minutes.	Slight	Slight	Slight
Radiant Heat	A measure of the ability of a decorative overlaid surface to resist any damage when subjected to a radiant-heat source under controlled laboratory conditions.	No effect after 60 seconds	No effect after 60 seconds	No effect after 80 seconds
Boiling Water	A measure of the ability of a decorative overlaid surface to maintain its color and surface texture when subjected to boiling water for a period of 20 minutes.	Slight to no effect	Slight to no effect	No effect
Impact	A measure of the ability of a decorative overlaid surface to resist fracture, due to the impact of a 1/2 pound steel ball dropped from a measured height.	15" without fracture	15" without fracture	15" without fracture

¹ List 15 chemical reagents:

- 1.) Distilled water**
- 2.) Ethyl alcohol solution**
- 3.) Acetone**
- 4.) Household ammonia**
- 5.) 10% citric acid**
- 6.) Vegetable oil**
- 7.) Fresh coffee**
- 8.) Fresh tea**
- 9.) Catsup**
- 10.) Yellow mustard**
- 11.) 10% Iodine solution**
- 12.) Black permanent marker**
- 13.) #2 Pencil**
- 14.) Wax crayon**
- 15.) Black paste shoe polish**