Testing Data

Meridian Solid Surface®

Meridian Solid Surface® products have passed the strict ANSI ICPA – 1 – 2001 solid surface standard. This is the official ANSI standard adopted in 2001 after years of testing and planning. Meridian Solid Surface® was one of the original ten solid surface products used to establish baseline testing for this new standard, and Meridian meets and exceeds each of the tests performed by Home Innovation Research Labs in Upper Marlboro, MD.

2.1	**Materials –** Reinforced polymer resin and alumina trihydrate filler with pigment	**PASS**
2.2	**Dimensional Tolerance –** Panels all ½" thick. The units finished trim measurements were within tolerance of manufacturers stated rough in dimensions.	**PASS**
3.3	**Surface Test –** Unit was free of cracks, chipped areas and blisters. The number of molding and other defects or blemishes did not exceed those given in table 2 of the ANSI X124.6 – 1995 standard.	**PASS**
3.4	**Surface Test –** No visual blemishes or voids larger than 1/16 of an inch in diameter were observed below the surface finish.	**PASS**
4.1.1	**Point Impact Load Test –** After the impact of a 1-1/2" half pound steel ball from a height of 24 inches, no cracks or chips were observed in any of the surface areas tested.	**PASS**
4.1.3	**Knife Drop Test –** After the impact of a 1 ounce steel knife from a height of 24", no cracks or chips were observed in any of the surface areas tested.	**PASS**
4.2	**Load Test –** Measurements recorded after removal of and applied load of 300 pounds for one and one-half minutes on the center of the panel did not exceed 0.010 inches. No cracks were observed in the surface finish.	**PASS**
5.1	**Colorfastness Test –** The test sample showed no significant change in color or surface texture after 200 hours of exposure to a xenon arc-type light exposure apparatus in accordance with ASTM D2565. 0.80 CIE	**PASS**
5.2	**Stain Resistance Test –** Ratings for removal of the ten stains listed below did not exceed 64 points. They	**PASS**
5.3	include black crayon, black liquid shoe polish, blue washable ink, gentian violet solution, beet juice, grape juice,	
5.4	lipstick, hair dye, mercurochrome, and a wet tea bag. The maximum allowable thickness of the material removal to eliminate the stain shall be 0.005 inches.	
5.3	**Cigarette Test –** After contact with three lighted cigarettes, the test sample showed no ignition, progressive glow, or unrepairable damage. Damage to the surface was easily repairable by using abrasive and/or polishing compounds.	**PASS**
5.4	**Chemical Resistance Test –** The surface was unaffected by the 16 reagents used. Any superficial surface change was easily repairable by using abrasive and/or polishing.	**PASS**
5.5	**Heated Pan Test –** After three applications of a 6 inch diameter aluminum disk heated to 365° F, no cracking, crazing, or blistering was observed on the test sample. 0.72 CIE	**PASS**
5.6	**High Temperature Resistance –** No cracking, crazing, or blistering was observed on the sample after subjecting it to a vessel filled with bath wax at a temp. or 356° F 0.97 CIE	**PASS**
6.1	**Water Resistance Test –** No cracking, crazing, or peeling was observed on the panel after subjecting it to alternative Cycles of 190° F and 70° F water. Panel passed the ANSI requirements of 250 test cycles.	**PASS**

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