

TECHNICAL DATA

ITEM	SPECIFICATION	TEST METHOD
• Water Absorption	0.03~0.05	ASTM-D-570
• Wear and Cleanability	Pass	ANSI Z – 124
• Point impact	No cracks	ANSI Z – 124
• Colourfastness	Pass (200 hour)	ANSI Z – 124
• High Temperature Resistance	Pass (180°C 20 min). Factory test 3 hours	ANSI Z – 124
• Stain Resistance	Stain resistance rating: 30	ANSI Z – 124
• Chemical Resistance	Pass	ANSI Z – 124
• Skillet Drop Test	Pass	ANSI Z – 124
• Load Test	No cracks. The residual deflection is 0.2mm after removal of the load.	ANSI Z – 124
• Water Resistance	Pass	ANSI Z – 124
• Ignition Test	Burning ceases within 5 seconds	ANSI Z – 124

TEST GUIDANCE

• Non water absorbing	Water absorbing ratio of Infinity is 0.03%~0.05% only 1/300 of natural marble.
• Anti ultraviolet	The manual quick aging test shows no cracks, bubbles or colour changes in the Infinity after 200 hours continuous exposure to intensive ultraviolet rays. Its natural aging period is about 15 years.
• High temperature resistance	There is no change in the Infinity plate after placing a pot full of 180°C glycerine on it for 20 minutes.
• Contamination resistance	There is no penetration on the Infinity plate after applying lipstick, shoe polish, hair oil, ink and wax crayon for 16 hours.
• Corrosion resistance	There is no change in the Infinity plate after applying lemon acid, ammonia water, tincture of iodine, gasoline, alcohol, acetone, water solution of Sodium hydroxide, hydrochloric acid, gentan violet, hydrogen peroxide solution, urine, toluene, amyl acetate to it for 16 hours.
• Impact resistance	There is no change in the Infinity plate after impact by a steel ball, 210gm in weight and 55mm in diameter, falling from 60cm height placement.
• High load bearing capability	There is no change in the suspended Infinity plate of 610mm x 750mm x 19mm placement of a weight of 135kg.
• No shrinkage	There is no change in the Infinity plate when applying 88°C hot water and then 21°C cold water to its surface for 90 seconds each cycle and for a total of 250 cycles altogether.
• Non flammable	There are no scalds or burns on the Infinity plate after applying a burning cigarette for 2 minutes.

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