JME Supreme International, Inc.

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HDF LAMINATED FLOORING
PERFORMANCE TECHNICAL SPECIFICATION

Technical Properties	*Standard*	*Characteristics/Result*	*Description*
Abrasion Test	**EN 13329** **EN13329**	**IP> 2,500 Revolutions** **AC3/Class 31 (heavy domestic, Moderate commercial grade)**	**Taber Abraser test. Two weighed rollers with sandpaper are run on specimen. Measure the number of revolutions for the "IP" (Initial Point). First visible attack on surface and "FP" (Final Point) surface ground through to underlayer/core. "IP" and "FP"**
Thickness Swelling Test	**EN 13 329**	**< 8% swelling**	**Determine the initial thickness of the rest specimen perpendicular on the extreme edges at the six points and immerse in water for 24 hrs +/- 15 MIN. Dry the specimens with towel and determine the final thickness on the same six measuring points. Calculate for each pair of values and thickness in %.**
Stain Resistance	**EN 438.2.15**	**Rating 5 (No Effect)**	**A number of substances commonly used in day to day life are applied to specimen. i.e. foodstuff, drinks (citric acid etc),nail polish, shoe polish, detergents, and then removed by solvent as required to clean the surface. The surface is inspected for permanent stains/changes. Ratings scale: Rating 5 – no effect to rating 1 – surface distortion.**
Cigarette	**EN 438.2.18**	**Degree 5 (No visible change)**	**A lit cigarette is put on the surface for a defined period of time. After removal, no surface damaged is allowed detected however very slight discoloration is permissible.**
UV / Color Resistance Test	**EN ISO 105 BO2**	**Level 6 (No discoloration)**	**A specimen together with a series of standard blue wool specimens (with numbers) are partial exposed to the UV light until the standard blue wool number 6 discolor.**
Fire Classification	**DIN 4102**	**Flame retardant B1**	**The surface of the specimen, specifically installed in the specimen holder will be exposed to flame for 10 min. From the distant burnt to the flame out, the critical irradiance and the integral light alteration are obtained (in compliance to DIN 4102 part 14).**
Impact Resistance	**EN 13 329**	**IC 1**	**A steel ball (42.8mm diameter 324gm)is made to fall from a specific height on the specimen. Measured is the maximum height without damage.**
Test Rolling A Chair On Castor	**EN 425**	**No visible damage**	**Weighed chair castors (soft) are move in circles of 50,000 – 100,000 revolutions.**
Simulated Pushing of Furniture Leg	**EN 425**	**No visible damage**	**Chair legs of most common type (Typ O) Is drag across the floor and the damage is observe afterwards.**

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HDF LAMINATED FLOORING
PHYSICAL TECHNICAL SPECIFICATION

Technical Properties	*Standard & Tolerance*	*Description*
Thickness	**8 £ 0.5 mm**	**Measure the thickness at a distance of 20 mm from the edges of the surface layer located in each corner width in the middle of each long side.**
Length	**108 £ 2mm**	**Measure the length of surface layer along two lines parallel to the axis of the specimen and at a distance of 20mm.**
Width	**194 £ 0.1mm**	**Measure the width by squared elements and also the length along two lines parallel to the sides or edges of the surface layer at a distance of 20 mm from the edges or the sides and in the middle for elements with length greater than 600mm.**
Squareness	**9mm £ 0.2mm**	**Place one side of the square against one long side of the surface layer of the element and determine the maximum deviation to square at the small side.**
Straightness	**£ 0.10mm**	**Place the steel ruler against one long side of the surface layer of the elements and determine the maximum deviation to square at the small side.**
Flatness	**Concave Convex Width £ 0.3mm £ 0.4mm Length £ 6mm £ 12mm**	**Determine the maximum deviation for each element. The measurement should not be less than the width of specimen vertically against the steel ruler and determine the maximum deviation tot eh ruler for each element.**
Height difference	**£ 0.10mm**	**Measure the height difference without applying any more to the elements. Place the base of instrument of one side of joint and to other side to establish the maximum difference.**
Opening between elements	**£ 0.20mm**	**Measure the opening between elements without applying any force to the elements.**