

Wilsonart® HPL Laminate

TECHNICAL DATA SHEET FOR SURFACE FINISHES – 60

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November 2022
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DESCRIPTION

As one of the most innovative decorative surface materials on the market, Wilsonart® HPL Laminate (High Pressure Laminate) offers long-lasting beauty and reliable performance at an affordable price.

Featuring on-trend decors and patterns that closely mimic the appearance of popular, concretes, marbles, and stones. Wilsonart® HPL Laminates provide a cost-effective alternative to engineered stones, solid surfaces, and woodgrains, and can be post-formed to a tight radius offering a modern appearance to countertops.

APPLICATION

Recommended for interior use only, Wilsonart® HPL Laminate is suitable for horizontal and vertical use in commercial and residential applications. Idea for counter and tabletops, cabinets, doors and drawer fronts, wall panelling, shelving and more. Wilsonart® HPL Laminate is also available in a several special products.

SURFACE FINISHES

Wilsonart's Standard HPL Laminate is stocked locally in one surface texture offered across a comprehensive range of solid colours and patterned décor.

60

Matte

A lightly textured finish with a moderate reflective quality. Recommended for horizontal and vertical applications.

Nominal Glossometer Reading = 10

NOTE: Glossometer readings are made at a 60° angle of incidence. MD refers to the machine direction of a laminate sheet, and CD refers to the cross direction.

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TECHNICAL DATA

NEMA Test	Wilsonart HPL Type 335	NEMA Std VGS	NEMA Std VGP
Standard Sheet Size	3660 x 1530mm	-	-
Nominal Thickness	0.7mm	0.7mm	0.7mm
Thickness Tolerance	± 0.03 - 0.10mm	± 0.10mm	± 0.10mm
Appearance	No ABC def.	No ABC def.	No ABC def.
Light Resistance	Slight effect	Slight effect	Slight effect
Cleanability (cycles)	10	20 (max)	20 (max)
Stain Resistance			
Reagents 1-10	No effect	No effect	No effect
Reagents 11-15	Slight effect	Moderate effect	Moderate effect
Boiling water Resistance	No effect	No effect	Slight effect
High Temperature Resistance	Slight effect	Slight effect	Slight effect
Impact Resistance	1016mm	508mm	508mm
Radiant Heat Resistance	120 seconds	80 sec. (min)	80 sec. (min)
Dimensional Stability			
Machine Direction	0.5%	0.7% (max)	1.1% (max)
Cross Direction	0.8%	1.2% (max)	1.4% (max)
Surface Wear Resistance	Meets or exceeds		
Cycles	400	400 (min)	400 (min)
Blistering	45 seconds	N/A	40 seconds

Wilsonart laminates conform to the voluntary standards of the American National Standards Institute/National Electrical Manufacturers Association (ANSI/NEMA) LD3-2005.

This technical data sheet was prepared using information gathered at the time of publication. Whilst HVG Building endeavours to update this information and maintain accuracy and currency of its content, it should only be used as a guide and not necessarily be regarded as applicable to all situations. HVG Building cannot guarantee that the information provided is wholly comprehensive, nor is this information intended as an alternative to any testing that the user may conduct to determine the suitability of the product for a particular application. HVG Building reserves the right to revise specification data at any time without notice.

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| FIRE PERFORMANCE

Group Classification Number AS/NZS 3837-1998	Group 1
Average Specific Extinction Area	10.3 m ² /kg

| ENVIRONMENTAL DATA

Greenguard Gold Certification
ISO 14025 and EN 15804

| CARE AND MAINTENCE

Wilsonart® HPL Laminate require minimal maintenance and are easy to clean. For everyday cleaning, simply wipe the surface with a soft, damp cloth, warm water and a mild detergent then wipe dry. For stubborn stains, use an all-purpose cleaner.

Whilst laminate is hard wearing, sharp objects such as knives and blades will damage the laminate surface, reduce its longevity, look and performance. To prolong the look and life of the benchtop, it is strongly recommended not cutting directly on the surface. Always use a chopping board or cutting matt.

Exposure to excessive heat will damage the laminate surface, it is thus not recommended placing hot cookware from the stove or oven directly onto the laminate without the protection of a heat proof matt or trivet.

| FABRICATION & ASSEMBLY RECOMMENDATIONS

Fabrication should follow approved methods. Assembled pieces should meet the specifications of KCMA (Kitchen Cabinetmakers Manufacturers Association), ANSI A-161.2-1998 (revised), and “Architectural Woodwork Quality Standards, Guide Specifications and Quality Certification Program” guidelines of the Architectural Woodwork Institute where applicable.

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FABRICATION & ASSEMBLY RECOMMENDATIONS - Continued

Laminate must be bonded to a substrate of reliable quality, such as particleboard, medium density fibreboard or plywood with one “A” face. High-Pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates. Basic types of laminate may not be used as structural members.

Bond with adhesives and follow the techniques recommended by the adhesive manufacturer. Recommended adhesives are permanent types, such as urea and polyvinyl acetate (PVA), and contact types. Wilsonart adhesives are recommended for most bonding conditions. To avoid stress cracking, do not use square-cut inside corners. All inside corners should have a minimum of 3.175mm radius and all edges should be routed smooth.

Drill oversized holes for screws or bolts. Screws or bolts should be slightly countersunk into the face side of a laminate-clad substrate.

Take care to ensure an appropriate acclimation between the laminate and the substrate prior to fabrication. The face and backing laminates and the substrate should be conditioned in the same environment for 48 hours before fabrication.

Recommended conditioning temperature is about 24°C. Laminate should be conditioned at 45% to 55% relative humidity. With postforming machinery, Wilsonart 335 will postform at a nominal sheet temperature range of 163°C to 170°C in 20 ± 5 seconds.

Carbide-tipped saw and router blades should be used for cutting. High tool speed and low feed speed are advisable. Cutting blades should be kept sharp. Use a hold-down to prevent any vibration.

CONTACT

For further information on this product contact:

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