

# Wilsonart® HPL Laminate

## TECHNICAL DATA SHEET FOR SURFACE FINISHES – 20, 6M, WH

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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 fashion colours and decors that co-ordinate beautifully when paired in conjunction with popular, concretes, marbles, stones, and timber decors from other Wilsonart ranges. Wilsonart® HPL Laminate are cost-effective 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. Ideal for counter and tabletops, cabinets, doors and drawer fronts, wall panelling, shelving and more.

### | SURFACE FINISHES

Wilsonart® HPL Laminate is recommended for horizontal and vertical applications. Stocked locally in two popular surface textures across a selection of on-trend solid colours and metallic look décors.

- |             |   |
|-------------|---|
| <b># 20</b> | <b>Silky Matt</b><br>A silky-smooth matt finish that imparts a soft to the touch sensation coupled with a low sheen surface finish.   |
| <b># 6M</b> | <b>Matt</b><br>A unique matt finish applied to metallic foil laminates to enhances the natural shimmer and lustre of the foils. Recommended for horizontal and vertical applications. |
| <b># WH</b> | <b>Wooden Heart</b><br>A matt vertical woodgrain structure with fine pores.   |

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### TECHNICAL DATA

The materials referred in this data sheet are Wilsonart® HPL and have been tested according to the European Standard EN 438 and to ISO 4586.

Physical & Chemical Characteristics	
Standard Sheet Size	3650 x 1320mm
Thickness	0.8mm
Physical state	Solid Sheets
Density	≥ 1.4 g/cm <sup>3</sup>
Solubility	Insoluble in water, oil, methanol, diethyl ether, n-octanol, acetone
Boiling point	None
Evaporation rate	None
Melting point	Does not melt
Calorific value	18 - 20 MJ/kg
Heavy Metals	Does not contain toxic compounds of antimony, heavy metals barium, cadmium, chromiumIII, chromiumVI, lead, mercury, selenium.

Stability and reactivity data	
Stability	Stable and not considered to be reactive or corrosive.
Hazardous reactions	None
Material incompatibility	Strong acids or alkaline solutions will stain the surface

This technical data sheet was prepared using information gathered at the time of publication. Whilst Wilsonart Australia 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. Wilsonart Australia 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. Wilsonart Australia 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<sup>3</sup>/kg

### ELECTROSTATIC BEHAVIOUR

Wilsonart® HPL minimises the generation of charge by contact-separation or rubbing with another material. It does not need to be earthed. Surface resistivity is between 09–10<sup>12</sup> ohms and a chargeability of V < 2 kV according to CEI IEC 61340-4-1 so that HPL are antistatic material.

### ENVIRONMENTAL & HEALTH DATA

Wilsonart® laminates are not considered to be dangerous for humans and animals. There is no evidence of toxicological effects and eco-toxicity. Wilsonart® laminates are physiologically safe and approved for use in contact with foodstuffs according to EN 1186.

Formaldehyde emission	< 0.4 mg/h m <sup>2</sup> (tested according to EN 717-2) < 0.05 ppm (tested according to WKI chamber method)
Pentachlorophenol	Does not contain PCP (Pentachlorophenol)
Working areas	General dust regulations are applicable.

### CARE AND MAINTENCE

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

Whilst laminate is hard wearing, sharp objects such as knives and blades will damage your laminate surface, reduce its longevity, look and performance. It is strongly recommended that you do not cut directly onto the surface. In order to prolong the look and life of your benchtop use a chopping board or cutting matt.

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### **CARE AND MAINTENANCE** – continued

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

### **FABRICATION & ASSEMBLY RECOMMENDATIONS**

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 laminate will postform at a nominal sheet temperature range of 163°C to 170°C in  $20 \pm 5$  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.

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### **| CONTACT**

For further information on this product contact:

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