



DESCRIPTION

Lumina is a 16mm, E1 rated, decorative high gloss medium density fibreboard (MDF) panel. Utilizing new technology which allows a PET (polyester) gloss film to be laminated onto a wood based substrate. Lumina provides a high scuff, stain and UV resistant surface which offers superior durability whilst maintaining colour integrity. The reverse side of the board is colour matched in a durable matt melamine finish providing an improved visual effect to joinery doors and panels with white backs.

APPLICATIONS

Lumina is suitable for domestic or commercial interior joinery and is widely used for applications for partitions, store fixtures, decorative paneling, door and drawer fronts, furniture and other applications that require an aesthetic gloss finish that offers superior durability, stain and scuff resistance.

PRODUCT CHARACTERISTICS

Nominal Thickness	16mm
Foil Thickness	0.75mm
Board Density	670-800 kg/m ³
Foil Density	1.396g/cm ³
Standard Sheet Size	2655 x 1030mm (± 5mm)
Colour Range	Refer to the current Availability Chart, Decorative Surfaces Sample Folder or your nearest Tekform sales office

TECHNICAL DATA

Lumina MDF panels have been tested and conform to DIN 68 861, results published below refer to this standard.

Test	Result
Abrasion Behavior	> 650 revolutions - Sub-layer becomes visible 15 revolutions – gloss layer is worn off
Scratch resistance	0.6 N
Stain resistance	Group 1 & 2 Group 3 & 4
Resistance to dry heat 140°C	5 – No visible change 4 – Slight change of gloss and or colour
Resistance to wet heat 100°C	No visible change
Light fastness (Xenon Lamp)	No visible change Grade 6 blue scale, grade 4 grey scale

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TECHNICAL DATA - continued

Cone Calorimeter - AS/NZS 3837 B4 Group number
80.9 m²/kg Average specific extinction area

ENVIRONMENTAL DATA

Quality Management System	ISO 9001 (LGA – InterCert)
Environmental Management System	ISO 14001 (LGA – InterCert) Der Blaue Engel RAL (Blue Angel)
Chain of custody wood resource management	FCS (LGA – InterCert) PEFC (LGA – InterCert)
Formaldehyde emissions class	E1 (Qualtaetsgemeinschaft Holzwerkstoffe)
VOC certification	Certificate of conformity (ISEGA) PCP (Qualtaetsgemeinschaft Holzwerkstoffe)
Polycyclic Aromatic Hydrocarbons	PAH (LGA - TUV Rheinland)

CLEANING RECOMMENDATIONS

Do not use aggressive, abrasive or cleaning products with a high acid or volatile solvent content on the Lumina surface. They may cause damage over time.

Do not use steel wool, abrasive cleaning cloths or scourers.

Under no circumstances should the surfaces be treated with steam cleaners.

Light dirt, grease or oil can be removed with the use of a soap solution and soft cloth. Remove any soap residue with a clean damp cloth and wipe the surface dry with a soft cloth, preferably a micro-fibre cloth.

Stubborn stains can be removed using a glass cleaner. After cleaning, wipe the surface dry with a soft cloth, preferably a microfibre cloth.

Wipe spillages clean immediately. Do not allow spillages to dry over a prolonged period of time as these could penetrate the gloss foil and permanently stain the Lumina surface.

To avoid damaging the surface, it is recommended that the protective film be only removed once the furniture has been assembled.