



Power Gloss

AGT Power Gloss



AGT Power Gloss is lacquered high gloss panel which is produced by using double-faced Melamine MDF, in a single side application of high gloss or matte finish lacquer using the latest UV lazer – cylinder application technology to create an extremely high gloss level. AGT POWER GLOSS has a high gloss level, scratch, impact and abrasion resistance.

In order to meet the needs of the furniture and decoration sector, AGT Power Gloss can be used in kitchen cabinets, bathroom door panels, closet doors and study rooms briefly forming a living space for all home and office furniture bodies and surfaces.

Board/Raw Material Features

Board Type	MDF (Medium Density Fiber Board)
Board Thickness	18mm
Board Density	730 kg/m ³
Board Size	1220mm x 2800mm
Board Front Side	AGT Power Gloss surface is 100% UV acrylic resin based decorative lacquer which is cured by UV (ultra violet) rays in a series of closed chambers. UV coating is a type of polished coating applied to MDF panel surface with melamine impregnated layer.
Board Back Side	Covered with melamine paper

Physical and Mechanical Tests

Feature	Standard	Result
Stain resistance (coffee, alcohol, acetone)	EN 438-2	5 (No visible change)
Scratch resistance	EN 438-2	4 N
Abrasion resistance	EN 438-2	250 cycles
Top surface gloss	DIN 67 530 (60° glossmaster)	>90 GLE
Cross cut	EN ISO 2409:2007	No visible change
Surface soundness	EN 311	1,3 N/mm ²
Dry heat resistance	EN 438-2	5 (No visible change)
Water vapour resistance	EN 438-2	5 (No visible change)
Cracking resistance	EN-438-2	5 (No visible change)
Bending strength	EN-310	33 N/mm ²
Modules of elasticity bending	EN-310	2870 N/mm ²
Tensile strength vertical to surface	EN-319	0,77 N/mm ²
Resistance to axial withdrawal of screws (edge)	EN-320	1136 N/ mm ²
Measures tolerance		± 0,5 mm
Bow tolerance		2 mm / 1 m
Plain colour tolerance	CIELabCH D65/10°	ΔE ≤ 0,70
Colour fastness, resistance to weathering for furniture indoor application	EN ISO 4892-2 200 hour	DE<1,7

Storage and Terms of Use

Storage temperature is between 10 °C ~ 30 °C. Do not expose to direct sunlight and others sources of heat for long time. Clean with a soft cloth using water with mild soap. Do not use any cleaners containing alcohol, solvents, thinner or abrasives.