

PHYSICAL PROPERTIES OF AN CUONG ACRYLIC PANEL

Version 2025

1. General Information

Category	High Gloss Acrylic	Matt Acrylic
Brand	An Cuong High Gloss Acrylic Panel	An Cuong Matt Acrylic Panel
Size	1220 x 2440 mm (±2mm)	1220 x 2440 mm (±2mm)
Thickness	6mm - 25mm (±0.2mm)	6mm - 25mm (±0.2mm)
Composition	MDF HMR coated with high gloss acrylic foil	MDF HMR coated with matt acrylic foil
Description of Acrylic material	ABS/PMMA co-extruded multilayer sheet PVC/PET co-extruded multilayer sheet	Super matt anti-finger PET resin combined with PVC decorative layer

2. Test Results (Applicable to Both Types)

Properties	Unit	Standard	Test Method
Bending strength (MOR)	N/mm ²	≥ 22	EN 310
Modulus of Elasticity (MOE)	N/mm ²	≥ 2300	EN 310
Internal Bond (IB)	N/mm ²	≥ 0.7	EN 319
Thickness swelling (24hrs)	%	≤ 7	EN 317
Formaldehyde Emission - STD	mg/m ³	≤ 0.124	ISO 12460-1
Scratch Resistance	Visual	3H - 5H	Pencil Test ISO 15184
Color Fastness***	ΔE	1.0 - 2.0	ISO 4892-2
Chemical Resistance	Grade	5	EN 14323

*** Total colour difference measured after 200h Xenon test.

The actual specifications of each high gloss and matt acrylic panel may vary depending on the application and intended use. This specification is provided for reference only and is subject to change without prior notice.