

AGT ACRYLIC TECHNICAL SPECIFICATIONS	Release Date	11.06.2019
	Revision No	2
	Revision Date	7.05.2020
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AGT ACRYLIC TECHNICAL SPECIFICATIONS

SPECIFICATION	UNIT	TEST STANDARD	REQUIRED VALUE	RESULTS
FOIL THICKNESS	mm	EN ISO 11833-2	HG: 0,70 ± 20% Matt: 0,65 ± 20%	HG: 0,70 mm Matt : 0,65 mm
RESISTANCE TO DRY HEAT	°C	DIN 68861/T7	75	75
RESISTANCE TO WET HEAT	°C	DIN 68861/T8	70	70
GLOSSINESS (HG)	20°	EN ISO 2813	≥ 80	86
UV RESISTANCE (ΔE)	50 hours	TS EN 4892 (1-2-3)	≤ 0.80	HG: 0,23 Matt: 0,42
SCRATCH RESISTANCE (HG)	N	ISO 4586-2	≥0.5N	2,5 N
SCRATCH RESISTANCE	H	ISO 15184	≥H	HG: 6 H Matt: 4 H
SURFACE TENSION (MATT, HG)	mN/m	ISO 8296	≥ 38 mN/m	HG: 42 Matt: 38
SURFACE ROUGHNESS (HG)	Ra, µm	EN ISO 4288	≤ 0,10 µm	HG: 0,01
COLOR MEASUREMENT (ΔE)	---	DIN 5033-4	≤ 0.80	HG: 0,21
BEHAVIOUR TO WATER VAPOUR		AMK	No Changes Visible	No Changes Visible
CHEMICAL RESISTANCE		DIN 68861/T1	No Changes Visible	No Changes Visible
PANEL WARPING TOLERANCE	mm		Short Side (1220 mm) ≤ 4 mm Long Side (2880 mm) ≤ 10 mm	Short Side (1220 mm) ≤ 3 mm Long Side (2880 mm) ≤ 9 mm

SPECIFICATION OF MDF

SPECIFICATION	UNIT	TEST STANDARD	REQUIRED VALUE	RESULTS
THICKNESS TOLERANCE	mm	EN 324-1 EN 622-1	16-18 mm: ± 0,20 mm	16-18 mm: ± 0,20 mm

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SPECIFICATION OF MDF

SPECIFICATION	UNIT	TEST STANDARD	REQUIRED VALUE	RESULTS
LENGTH AND WIDTH TOLERANCE	mm/m	EN 324-1 EN 622-1	± 2 mm/m, maximum ± 5 mm	± 2 mm/m, maximum ± 5 mm
SQUARENESS TOLERANCE	mm/m	EN 324-2 EN 622-1	2 mm/m	2 mm/m
TOLERANCE OF SIDE SMOOTHNESS	mm/m	EN 324-2 EN 622-1	1.5 mm/m	1.5 mm/m
INFLATION IN THICKNESS 24 HOURS	%	EN 317 EN 622-5	16-18 mm ≤ 8%	%6,5
BENDING RESISTANCE	N/mm ²	EN 310 EN 622-5	16-18 mm ≥ 24 N/mm ²	33N/mm ²
FLEXURAL ELASTICITY MODULE	N/mm ²	EN 310 EN 622-5	16-18 mm ≥ 2400 N/mm ²	3100 N/mm ²
INNER ADHESION	N/mm ²	EN 319 EN 622-5	16-18 ≥ 0,75 N/mm ²	0,62 N/mm ²
FORMALDEHYDE CONTENT	ppm	EPA 40 CFR TSCA Title VI § 770.10 and California Code of Regulations, sections 93120-93120.12 ASTM E 1333-14 ASTM D 6007-14	≤ 0,11 ppm	0,07ppm
HUMID CONTENT	%	EN 322 EN 622-1	4 ÷ 11%	%5,70

RESISTANCE TO STAIN ACCORDING TO DIN68861 TEST METHOD

TEST MATERIAL	TEST WAITING TIME	RATING APPERANCE AFTER TEST	RESULTS
ACIDIC ACID	1 Hour	5	5
SODIUM CARBONATE	2 Minutes	5	5
LIQUID AMMONIA	2 Minutes	5	5

RESİSTANCE TO STAIN ACCORDİNG TO DIN68861 TEST METHOD

TEST MATERIAL	TEST WAITING TIME	RATING APPERANCE AFTER TEST	RESULTS
BEVERAGES	16 Hour	5	5
COFFEE POWDER	16 Hour	5	5
CONCENTRATED MILK	16 Hour	5	5
WATER	16 Hour	5	5
ACETONE	10 Second	5	5
OLIVE OIL	16 Hour	5	5
DINING SALT	6 Hour	5	5
CLEANING	1 Hour	5	5

RATING

5	No change
4	There is hardly noticeable change in brightness and color
3	Slight change in brightness and color, no surface deformation
2	There is change in brightness and color, slight deformation on surface
1	There is change in brightness, color and deformation