

HIGH GLOSS PANEL
TEKNİK ÖZELLİKLER

Levha Mekanik Özellikler Ortalama Değerleri	Test Metodu	Birim	İstenilen Değer
Yoğunluk	TS EN 323	[kg/m ³]	AGT'ye Özgü
Yapışma Dayanımı	TS EN 323	[N/mm ²]	≥ 0,55
Sıcaklık Dayanımı (Ön Yüzey)	-	[°C]	≤ 80
Sıcaklık Dayanımı (Arka Yüzey)	-	[°C]	≤ 70
Mikro Çizilmeler Karşı Yüzey Direncinin Değerlendirilmesi	TS CEN / TS 16611 (Method A)	[% değişim]	≤ 10
Soğuk Sıvılara Dayanım (Kimyasallara Dayanım)	EN 12720+A1	[Sınıf]	5
Kuru Isıya Karşı Yüzey Dayanıklılığı (70°C)	EN 12722	[Sınıf]	5
Islak Yüze Karşı Yüzey Dayanıklılığının Tayini	EN 12721	[Sınıf]	5
Panel Dönüklük Toleransı	EN 322	[mm]	Kısa kenarda (1220 mm) ≤ 4 mm Uzun kenarda (2880 mm) ≤ 10 mm
Formaldehit Emisyon Sınıfı	TS EN ISO 12460-5 ASTM D 6007	[mg/100gr] [ppm]	E0, CARB2, TSCA

Genel Toleranslar	Test Metodu	Birim	İstenilen Değer
Uzunluk ve Kalınlık Toleransı	TS EN 324-1 EN 622-1	[mm]	±2,0 mm/m, max. ±5,0
Gönyeden Sapma Toleransı	TS EN 324-1 EN 622-1	[mm/m]	±2,0
Yan Düzgünlüğü Toleransı	TS EN 324-1 EN 622-1	[mm/m]	≤1,5
Kalınlık Toleransı	TS EN 324-1 EN 622-1	[mm]	± 0,2
Standart Zımparalama			K120 (Özel talebe göre uygulanabilir.)

Fiziksel ve Çevresel Özellikler	Test Metodu	Birim	İstenilen Değer
Yangına Karşı Tepkisinin Sınıflandırılması	TS EN 13501-1		Ds1 d2
EPD Sertifikası	ISO 14025 EN 15804		EPD Sertifikası
Migrasyon Sertifikası	EN 13130-1		Migrasyon Sertifikası
Gostr Sertifikası			

Folyo Özellikler	Test Metodu	Birim	Folyo Tipleri
			HG
Kalınlık	TS EN ISO 11833-2	[mm]	0,30 ± 10%
Parlaklık	TS EN ISO 2813	20°	≥ 80
Yüzey Pürüzlülüğü	TS EN ISO 21920-3	Ra, µm	≤ 0,10 µm
Yüzey Gerilimi	TS ISO 8296	mN/m	≥ 38 mN/m
Renk Ölçümü	DIN EN ISO/CIE 11664-3	ΔE	≤ 0.65
Çizilme Dayanımı - Kalem	TS EN ISO 15184	H	≥ H
Çizilme Dayanımı - Ericsen	ISO 4586-2	N	≥ N
UV Dayanımı (50 hours)	TS EN ISO 4892 (1-2-3)	ΔE	≤ 0.65

Folyo Özellikler	Test Metodu	Birim	Folyo Tipleri
			Arka Yüzey
Kalınlık	TS EN ISO 11833-2	[mm]	0,15 ± 10%
Parlaklık	TS EN ISO 2813	20°	-
Yüzey Pürüzlülüğü	TS EN ISO 21920-3	Ra, µm	-
Yüzey Gerilimi	TS ISO 8296	mN/m	≥ 38 mN/m
Renk Ölçümü	DIN EN ISO/CIE 11664-3	ΔE	≤ 0.65
Çizilme Dayanımı - Kalem	TS EN ISO 15184	H	≥ H
Çizilme Dayanımı - Ericsen	ISO 4586-2	N	≥ N
UV Dayanımı (50 hours)	TS EN ISO 4892 (1-2-3)	ΔE	≤ 0.65

MAT PANEL TECHNICAL DATASHEET



Mechanical Properties Board Mean Values	Test Method	Unit	Required Value
Density	TS EN 323	[kg/m ³]	Specific to AGT
Adhesive Resistance	TS EN 323	[N/mm ²]	≥ 0,55
Temperature Resistance (Front Surface)	-	[°C]	≤ 80
Temperature Resistance (Back Surface)	-	[°C]	≤ 70
Evaluation of Surface Resistance to Micro-Scratches	TS CEN / TS 16611 (Method A)	[% change]	≤ 10
Resistance to Cold Liquids (Resistance to Chemicals)	EN 12720+A1	[Class]	5
Surface Resistance to Dry Heat (70°C)	EN 12722	[Class]	5
Determination of Surface Resistance to Wet Heat (70°C)	EN 12721	[Class]	5
Panel Warping Tolerance	EN 322	[mm]	Short Side (1220 mm) ≤ 4 mm Long Side (2880 mm) ≤ 10 mm
Formaldehyde Emission Class(Es)**	TS EN ISO 12460-5 ASTM D 6007	[mg/100gr] [ppm]	E0, CARB2, TSCA

General Tolerances	Test Method	Unit	Required Value
Length and Width Tolerance	TS EN 324-1 EN 622-1	[mm]	±2,0 mm/m, max. ±5,0
Squareness	TS EN 324-1 EN 622-1	[mm/m]	±2.0
Edge Straightness Tolerance	TS EN 324-1 EN 622-1	[mm/m]	≤ 1.5
Thickness Tolerance	TS EN 324-1 EN 622-1	[mm]	± 0,2
Standard Sanding			K120 (It can be applied according to special demand))

Physical & Environment Properties	Test Method	Unit	Required Value
Fire Behaviour Category	TS EN 13501-1		Ds1 d2
EPD Certificate	ISO 14025 EN 15804		EPD Certificate
Migration Certificate	EN 13130-1		Migration Certificate
Gostr Certificate			

Folio Specification	Test Method	Unit	Required Value
			Mat
Thickness	TS EN ISO 11833-2	[mm]	0,25 ± 10%
Glossiness	TS EN ISO 2813	20°	-
Surface Roughness	TS EN ISO 21920-3	Ra, µm	-
Surface Tension	TS ISO 8296	mN/m	≥ 38 mN/m
Color Measurement	DIN EN ISO/CIE 11664-3	ΔE	≤ 0.80
Scratch Resistance - Pencil	TS EN ISO 15184	H	≥H
Scratch Resistance - Ericsen	ISO 4586-2	N	≥ N
UV Resistance (50 hours)	TS EN ISO 4892 (1-2-3)	ΔE	≤ 0.80

Folio Specification	Test Method	Unit	Required Value
			Back Surface
Thickness	TS EN ISO 11833-2	[mm]	0,15 ± 10%
Glossiness	TS EN ISO 2813	20°	-
Surface Roughness	TS EN ISO 21920-3	Ra, µm	-
Surface Tension	TS ISO 8296	mN/m	≥ 38 mN/m
Color Measurement	DIN EN ISO/CIE 11664-3	ΔE	≤ 0.80
Scratch Resistance - Pencil	TS EN ISO 15184	H	≥H
Scratch Resistance - Ericsen	ISO 4586-2	N	≥ N
UV Resistance (50 hours)	TS EN ISO 4892 (1-2-3)	ΔE	≤ 0.80

AGT AKRILUX PANEL TECHNICAL DATASHEET



Mechanical Properties Board Mean Values	Test Method	Unit	Required Value
Density	TS EN 323	[kg/m ³]	Specific to AGT
Adhesive Resistance	TS EN 323	[N/mm ²]	≥ 0,55
Temperature Resistance (Front Surface)	-	[°C]	≤ 80
Temperature Resistance (Back Surface)	-	[°C]	≤ 70
Evaluation of Surface Resistance to Micro-Scratches	TS CEN / TS 16611 (Method A)	[% change]	≤ 10
Resistance to Cold Liquids (Resistance to Chemicals)	EN 12720+A1	[Class]	5
Surface Resistance to Dry Heat (70°C)	EN 12722	[Class]	5
Determination of Surface Resistance to Wet Heat (70°C)	EN 12721	[Class]	5
Panel Warping Tolerance	EN 322	[mm]	Short Side (1220 mm) ≤ 4 mm Long Side (2880 mm) ≤ 10 mm
Formaldehyde Emission Class(Es)**	TS EN ISO 12460-5 ASTM D 6007	[mg/100gr] [ppm]	E0, CARB2, TSCA

General Tolerances	Test Method	Unit	Required Value
Length and Width Tolerance	TS EN 324-1 EN 622-1	[mm]	±2,0 mm/m, max. ±5,0
Squareness	TS EN 324-1 EN 622-1	[mm/m]	±2.0
Edge Straightness Tolerance	TS EN 324-1 EN 622-1	[mm/m]	≤1.5
Thickness Tolerance	TS EN 324-1 EN 622-1	[mm]	± 0,2
Standard Sanding			K120 (It can be applied according to special demand))

Physical & Environment Properties	Test Method	Unit	Required Value
Fire Behaviour Category	TS EN 13501-1		Ds1 d2
EPD Certificate	ISO 14025 EN 15804		EPD Certificate
Migration Certificate	EN 13130-1		Migration Certificate
Gostr Certificate			

Folio Specification	Test Method	Unit	Required Value
			Akrilux
Thickness	TS EN ISO 11833-2	[mm]	0,25 ± 10% - 0,30 ± 10%
Glossiness	TS EN ISO 2813	20°	≥ 80
Surface Roughness	TS EN ISO 21920-3	Ra, µm	≤ 0,10 µm
Surface Tension	TS ISO 8296	mN/m	≥ 38 mN/m
Color Measurement	DIN EN ISO/CIE 11664-3	ΔE	≤ 0.80
Scratch Resistance - Pencil	TS EN ISO 15184	H	≥ H
Scratch Resistance - Ericsen	ISO 4586-2	N	≥ N
UV Resistance (50 hours)	TS EN ISO 4892 (1-2-3)	ΔE	≤ 0.80

Folio Specification	Test Method	Unit	Required Value
			Back Surface
Thickness	TS EN ISO 11833-2	[mm]	0,15 ± 10%
Glossiness	TS EN ISO 2813	20°	-
Surface Roughness	TS EN ISO 21920-3	Ra, µm	-
Surface Tension	TS ISO 8296	mN/m	≥ 38 mN/m
Color Measurement	DIN EN ISO/CIE 11664-3	ΔE	≤ 0.80
Scratch Resistance - Pencil	TS EN ISO 15184	H	≥ H
Scratch Resistance - Ericsen	ISO 4586-2	N	≥ N
UV Resistance (50 hours)	TS EN ISO 4892 (1-2-3)	ΔE	≤ 0.80

SUPRAMAT PANEL TECHNICAL DATASHEET



Mechanical Properties Board Mean Values	Test Method	Unit	Required Value
Density	TS EN 323	[kg/m ³]	Specific to AGT
Adhesive Resistance	TS EN 323	[N/mm ²]	≥ 0,55
Temperature Resistance	-	[°C]	≤ 80
Evaluation of Surface Resistance to Micro-Scratches	TS CEN / TS 16611 (Method A)	[% change]	≤ 10
Resistance to Cold Liquids (Resistance to Chemicals)	EN 12720+A1	[Class]	5
Surface Resistance to Dry Heat (70°C)	EN 12722	[Class]	5
Determination of Surface Resistance to Wet Heat	EN 12721	[Class]	5
Kırılmada Uzama	According to ISO R527-3 / ISO R527-3	[%]	Long. >50
Stain Resistance			5
Light resistance	Except PART 5, METHOD B (Indoor)	[Gray Scale]	5
Abrasion Resistance	UNI EN 438/10		4
Panel Warping Tolerance	TS EN 322	[mm]	Short Side (1220 mm) ≤ 4mm Long Side (2880 mm) ≤ 10 mm
Formaldehyde emission class(es)**	TS EN ISO 12460-5 ASTM D 6007	[mg/100gr] [ppm]	E0, CARB2, TSCA

General tolerances	Test Method	Unit	Required Value
Length and width tolerance	TS EN 324-1 EN 622-1	[mm]	±2,0 mm/m, max. ±5,0
Squareness	TS EN 324-1 EN 622-1	[mm/m]	±2.0
Edge straightness tolerance	TS EN 324-1 EN 622-1	[mm/m]	<=1.5
Thickness tolerance	TS EN 324-1 EN 622-1	[mm]	± 0,2
Standard sanding			K120 (It can be applied according to special demand)

Physical & Environment Properties	Test Method	Unit	Required Value
Fire behaviour category	TS EN 13501-1		Ds1 d2
EPD Certificate	ISO 14025 EN 15804		EPD Certificate
Migration Certificate	EN 13130-1		Migration Certificate
Gostr Certificate			

Folio Specification	Test Mehtod	Unit	Required Value
			SUPRAMAT
Thickness	TS EN ISO 11833-2	[mm]	0,25 ± 10%
Glossiness	TS EN ISO 2813	20°	-
Surface Roughness	TS EN ISO 21920-3	Ra, µm	-
Surface Tension	TS ISO 8296	mN/m	≥ 38 mN/m
Color Measurement	DIN EN ISO/CIE 11664-3	ΔE	≤ 0.80
Scratch Resistance - Pencil	TS EN ISO 15184	H	≥H
Scratch Resistance - Ericsen	ISO 4586-2	N	≥ N
UV Resistance (50 hours)	TS EN ISO 4892 (1-2-3)	ΔE	≤ 0.80

Folio Specification	Test Mehtod	Unit	Required Value
			BACK SURFACE
Thickness	TS EN ISO 11833-2	[mm]	0,15 ± 10%
Glossiness	TS EN ISO 2813	20°	-
Surface Roughness	TS EN ISO 21920-3	Ra, µm	-
Surface Tension	TS ISO 8296	mN/m	≥ 38 mN/m
Color Measurement	DIN EN ISO/CIE 11664-3	ΔE	≤ 0.80
Scratch Resistance - Pencil	TS EN ISO 15184	H	≥H
Scratch Resistance - Ericsen	ISO 4586-2	N	≥ N
UV Resistance (50 hours)	TS EN ISO 4892 (1-2-3)	ΔE	≤ 0.80

AGT 3P PANEL TECHNICAL DATASHEET



Mechanical Properties Board Mean Values	Test Method	Unit	Required Value
Density	TS EN 323	[kg/m³]	Specific to AGT
Adhesive Resistance	TS EN 323	[N/mm²]	≥ 0,55
Temperature Resistance (Front Surface)	-	[°C]	≤ 80
Temperature Resistance (Back Surface)	-	[°C]	≤ 70
Evaluation of Surface Resistance to Micro-Scratches	TS CEN / TS 16611 (Method A)	[% change]	≤ 10
Resistance to Cold Liquids (Resistance to Chemicals)	EN 12720+A1	[Class]	5
Surface Resistance to Dry Heat (70°C)	EN 12722	[Class]	5
Determination of Surface Resistance to Wet Heat (70°C)	EN 12721	[Class]	5
Panel Warping Tolerance	EN 322	[mm]	Short Side (1220 mm) ≤ 4 mm Long Side (2880 mm) ≤ 10 mm
Formaldehyde Emission Class(Es)**	TS EN ISO 12460-5 ASTM D 6007	[mg/100gr] [ppm]	E0, CARB2, TSCA

General Tolerances	Test Method	Unit	Required Value
Length and Width Tolerance	TS EN 324-1 EN 622-1	[mm]	±2,0 mm/m, max. ±5,0
Squareness	TS EN 324-1 EN 622-1	[mm/m]	±2.0
Edge Straightness Tolerance	TS EN 324-1 EN 622-1	[mm/m]	≤1.5
Thickness Tolerance	TS EN 324-1 EN 622-1	[mm]	± 0,2
Standard Sanding			K120 (It can be applied according to special demand))

Physical & Environment Properties	Test Method	Unit	Required Value
Fire Behavior Category	TS EN 13501-1		Ds1 d2
EPD Certificate	ISO 14025 EN 15804		EPD Certificate
Migration Certificate	EN 13130-1		Migration Certificate
Gostr Certificate			

Folio Specification	Test Method	Unit	Required Value
			3P
Thickness	TS EN ISO 11833-2	[mm]	0,25 mm ± 10% - 0,50 mm ± 10%
Glossiness	TS EN ISO 2813	20°	-
Surface Roughness	TS EN ISO 21920-3	Ra, µm	-
Surface Tension	TS ISO 8296	mN/m	≥ 38 mN/m
Color Measurement	DIN EN ISO/CIE 11664-3	ΔE	≤ 0.80
Scratch Resistance - Pencil	TS EN ISO 15184	H	≥H
Scratch Resistance - Ericsen	ISO 4586-2	N	≥ N
UV Resistance (50 hours)	TS EN ISO 4892 (1-2-3)	ΔE	≤ 0.80

Folio Specification	Test Method	Unit	Required Value
			Back Surface
Thickness	TS EN ISO 11833-2	[mm]	0,15 ± 10%
Glossiness	TS EN ISO 2813	20°	-
Surface Roughness	TS EN ISO 21920-3	Ra, µm	-
Surface Tension	TS ISO 8296	mN/m	≥ 38 mN/m
Color Measurement	DIN EN ISO/CIE 11664-3	ΔE	≤ 0.80
Scratch Resistance - Pencil	TS EN ISO 15184	H	≥H
Scratch Resistance - Ericsen	ISO 4586-2	N	≥ N
UV Resistance (50 hours)	TS EN ISO 4892 (1-2-3)	ΔE	≤ 0.80

SOFT TOUCH PANEL TECHNICAL DATASHEET



Mechanical Properties Board Mean Values	Test Method	Unit	Required Value
Density	TS EN 323	[kg/m ³]	Specific to AGT
Adhesive Resistance	TS EN 323	[N/mm ²]	≥ 0,55
Temperature Resistance (Front Surface)	-	[°C]	≤ 80
Temperature Resistance (Back Surface)	-	[°C]	≤ 70
Evaluation of Surface Resistance to Micro-Scratches	TS CEN / TS 16611 (Method A)	[% change]	≤ 10
Resistance to Cold Liquids (Resistance to Chemicals)	EN 12720+A1	[Class]	5
Surface Resistance to Dry Heat (70°C)	EN 12722	[Class]	5
Determination of Surface Resistance to Wet Heat (70°C)	EN 12721	[Class]	5
Panel Warping Tolerance	EN 322	[mm]	Short Side (1220 mm) ≤ 4 mm Long Side (2880 mm) ≤ 10 mm
Formaldehyde emission class(es)**	TS EN ISO 12460-5 ASTM D 6007	[mg/100gr] [ppm]	E0, CARB2, TSCA

General tolerances	Test Method	Unit	Required Value
Length and width tolerance	TS EN 324-1 EN 622-1	[mm]	±2,0 mm/m, max. ±5,0
Squareness	TS EN 324-1 EN 622-1	[mm/m]	±2.0
Edge straightness tolerance	TS EN 324-1 EN 622-1	[mm/m]	≤ 1.5
Thickness tolerance	TS EN 324-1 EN 622-1	[mm]	± 0,2
Standard sanding			K120 (It can be applied according to special demand))

Physical & Environment Properties	Test Method	Unit	Required Value
Fire behaviour category	TS EN 13501-1		Ds1 d2
EPD Certificate	ISO 14025 EN 15804		EPD Certificate
Migration Certificate	EN 13130-1		Migration Certificate
Gostr Certificate			

Folio Specification	Test Mehtod	Unit	Required Value
			SOFT TOUCH
Thickness	TS EN ISO 11833-2	[mm]	0,20 ± 10%
Glossiness	TS EN ISO 2813	20°	-
Surface Roughness	TS EN ISO 21920-3	Ra, µm	-
Surface Tension	TS ISO 8296	mN/m	≥ 38 mN/m
Color Measurement	DIN EN ISO/CIE 11664-3	ΔE	≤ 0.80
Scratch Resistance - Pencil	TS EN ISO 15184	H	≥H
Scratch Resistance - Ericsen	ISO 4586-2	N	≥ N
UV Resistance (50 hours)	TS EN ISO 4892 (1-2-3)	ΔE	≤ 0.80

Folio Specification	Test Mehtod	Unit	Required Value
			BACK SURFACE
Thickness	TS EN ISO 11833-2	[mm]	0,15 ± 10%
Glossiness	TS EN ISO 2813	20°	-
Surface Roughness	TS EN ISO 21920-3	Ra, µm	-
Surface Tension	TS ISO 8296	mN/m	≥ 38 mN/m
Color Measurement	DIN EN ISO/CIE 11664-3	ΔE	≤ 0.80
Scratch Resistance - Pencil	TS EN ISO 15184	H	≥H
Scratch Resistance - Ericsen	ISO 4586-2	N	≥ N
UV Resistance (50 hours)	TS EN ISO 4892 (1-2-3)	ΔE	≤ 0.80