



**AGT QUALITY CERTIFICATES /
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AGT INSTALLATION, USE AND MAINTENANCE
INSTRUCTIONS / AGT MDF, PANEL, DOOR, PROFILE
TECHNICAL SPECIFICATIONS**



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AGT PANEL




AGT Test Table Panel



AGT PANEL			
STANDART	TEST NAME	TARGET	AGT 18x1220x2800 mm
	Adhesion Strength	$\geq 0,55 \text{ N/mm}^2$	0,70
EN 717-2	Formaldehyde content	$\leq 3,5 \text{ mg/m}^2\text{h}$	0,42

Panel Quality Control Criteria Table

		PANEL QUALITY CONTROL CRITERIA TABLE	
		Revision No.:	0
		Revision Date:	20.06.2013
		Document No.: 142-TB-001	Page No.: 1/1
NO.	ERROR DESCRIPTION	1st QUALITY EVALUATION CRITERIA	
1	Pustulation	There should be maximum 1 pustule having less than 5 mm diameter on 1 m ² surface. However, there can be 2 pustules on 1 m ² surface provided that pustules are smaller than 3 mm and distance between them is not less than 25 cm.	
2	Dent	There can be 1 dent having less than 5 mm diameter on 1 m ² surface area.	
3	Edge Tolerances	Height: If foil clearance only exists on one side; it can be maximum 7 mm. If foil clearance exists on both sides; it is maximum 7 mm. Width: Edge foil clearance is maximum 3 mm at both sides.	
4	Stain	There can be 1 stain with less than 2 mm diameter on a panel.	
5	Edge Fracture	There can be one fracture having maximum 5 cm length and maximum 5 mm edge fracture on a panel.	
6	Dawning	Non-apparent dawning looking at 45 degree angle from 60 cm distance is acceptable on a panel. Apparent ones are not allowed.	
7	Mark, Orange Peel Appearance on Surface and other Surface Defects	There can not be linear errors from foil. There can not be transverse and longitudinal ondulation. There can not be foil shrinkage. Orange peel effect will be decided according to master sample.	
8	Twist	Twist can be maximum 1,5 mm/m on a panel.	

AGT PANEL Technical Specifications:



Properties and Terms of Use of AGT Sheet Profiles AGT Fiber Sheet Panel:

- 1-There is the original stretch film on the covered HG folio. Protective stretch film is applied on the PVC folio surfaces.
- 2-Calibration (sanding) is applied before the process of covering HG fiber sheet panel surfaces.
- 3-Surface roughness value is 0,08 μ averagely in our HG fiber sheet panel product.
- 4-Production tolerance for the defects in tip parts in fiber sheet panels is 7 mm in one side and 10 mm in one side when the production is made with folios sent by customer.
- 5-Same sized fiber sheet panels are palletized by putting protective carton on the same palette and putting carton with logo on it.
- 6-Palletes are packaged with stretch film and ring.
- 7-Each package is labeled with the label indicating its content. In the case of special palette demands, labels defining its content are put on palette.
- 8-Fiber sheet panels are put on the palette for transportation and sent by covering with shrink protective nylon.
- 9-Piles of fiber sheet panels should be made carefully against crush, collapse and breakage in sides and corners when processing.
- 10-While cutting the fiber sheet, circular saw with buttress gear should be used.
- 11-The angle of the circular saw of the cutting machine should be considered to be 90 degrees.
- 12-In order to have a better result, saw with plotter jumping should be used during while cutting the fiber sheet.
- 13-The height of circular saw should be as to block the rolling of the saw while cutting.
- 14-The production should be performed by blocking the friction of surfaces in order to prevent the damage of the surface in fiber sheet products.
- 15-Because especially HG fiber sheet is vulnerable to impacts and scratch, it is recommended to be careful during production and assembly processes and usage.
- 16-It is inconvenient to use fiber sheets in places receiving direct sun light, gardens, places washed with water and humid environments in terms of their lifetimes.
- 17-Saw with jumper should be used while cutting the fiber sheet panels.
- 18-The most convenient saw cutting speed is 15 m/min while cutting the fiber sheet panels.
- 19-Covering with protective stretch film on the fiber sheets should be removed after the completion of the assembly. High gloss fiber sheet should be cleaned with wet rag or wood cleaner after the removal of the stretch film.
- 20-The products should be kept waiting for at least 3 days for control after order and production. In the order planning, the duration for 3 days shall be taken into consideration.



21-The products shall be stored in appropriate conditions. The relative humidity of the storage environment shall be 50 % and the humidity rate of the product should be 7-9 %.

Return Conditions of AGT Fiber Sheet Panels:

1-The problems should be notified to AGT at the latest 1 month after the delivery of the product. The notifications exceeding 1 month shall not be taken into account.

2-Our firm cannot be held responsible for the omission of the instruction manuals described above, user errors and other inappropriate conditions. In this case, return shall be inadmissible.

3-Written statements as “appropriate loading is made” is taken from the relevant transport company during the delivery of the products. Return shall be inadmissible in the case of damages caused by the transport company during the delivery. In the case of the determination of this condition, the damages of the both two firms shall be compensated by the transport company.

4-Claim for return shall be sent with the error definition, test results, if available, and document indicating the error visually and clearly about the product of which is wanted to be returned. After the examination of the documents pertaining to the error in the return demand, if needed a sample shall be demanded and its analysis and controls shall be performed. Return condition shall be determined in the direction of the result of “Returned Product Examination Report”. Without “Returned Product Examination Report”, no product shall be taken for return.

5-Anyone outside the firm cannot suggest a different guarantee condition except these conditions and cannot demand.

Properties of AGT Fiber Sheet Panels:

Properties of AGT Fiber Sheet Panels

Technical Properties	Unit	Value	Test Method
Adhesion Resistance	N/mm ²	≥ 0,55	ASTM D6862-04
Temperature Resistance	°C	≤ 90	---

Properties of Fiber Sheet

Technical Properties	Unit	Value	Test Method
Intensity	kg/m ³	7.7-12-16-18 mm: 750 ± 7% 22-25-30 mm: 720 ± 7%	EN 323
Thickness Tolerance	mm	7.7-12-16-18 mm: ± 0,20 mm 22-25-30 mm: ± 0,30 mm	EN 324-1 EN 622-1
Aspect Tolerance	mm/m	± 2 mm/m, maximum ± 5 mm	EN 324-1 EN 622-1
Squareness Tolerance	mm/m	2 mm/m	EN 324-2 EN 622-1
Side Smoothness Tolerance	mm/m	1.5 mm/m	EN 324-2 EN 622-1
Inflation in Thickness 24 hours	%	7.7 mm ≤ 17% 12 mm ≤ 15% 16-18 mm ≤ 12% 22-25-30 mm ≤ 10 %	EN 317 EN 622-5
Inflection Resistance	N/mm ²	7.7 mm ≥ 23 N/mm ² 12 mm ≥ 22 N/mm ² 16-18 mm ≥ 20 N/mm ² 22-25-30 mm ≥ 18 N/mm ²	EN 310 EN 622-5
Inner Adhesion	N/mm ²	7.7 mm ≥ 0,65 N/mm ² 12 mm ≥ 0,60 N/mm ² 16-18-22-25-30 mm ≥ 0,55 N/mm ²	EN 319 EN 622-5
Formaldehyde Content	mg/100g	≤ 8 mg/100g	EN 120 EN 622-1
Humid Content	%	4 ÷ 11%	EN 322 EN 622-1

Properties of PVC and HG Folio

Technical Properties	Unit	Value	Test Method
Thickness (PVC)	mm	0,20 ± 10%	EN ISO 11833-2
Thickness (HG)	mm	0,30 ± 10%	EN ISO 11833-2
Glossiness (HG)	60°	≥ 90	EN ISO 2813
Surface Roughness (HG)	R _a , μm	≤ 0,10 μm	EN ISO 4288
Surface Tension (PVC, HG)	mN/m	≥ 38 mN/m	ISO 8296
Color Measurement (ΔE)	---	≤ 0.80	DIN 5033-4
Scratch Resistance (PVC)	N	1,1 – 1,5 N	ISO 4586-2
Scratch Resistance (HG)	N	0,5 – 1,0 N	ISO 4586-2
UV Resistance (ΔE)	200 hours	≤ 0.80	TS EN 4892 (1-2-3)

Properties of Polyurethane Glue

- ✓ Polyurethane based reactive hot melt adhesive system
- ✓ White heat resistance (> 150 °C) and elasticity in cold
- ✓ High first adhesion power
- ✓ Chemical bond formation in a couple of days
- ✓ Perfect resistance against water
- ✓ Thermoset formation of adhesion connection
- ✓ Resistance against several solvers



Panel assembly, use and maintenance instructions

The assembly, use and maintenance instructions that need to be followed in the use, assembly and maintenance of AGT Panel brand products:

1. Warehouse conditions should be 50% moisture, no excessive air circulation and as clear of dust and small objects as possible.
2. Storing a large amount of the product in vertical position should be avoided and supports should always be used in vertical storage.
3. When the product is stored in horizontal stacks in your warehouse they should be at equal intervals on wedges to prevent turning and when they are stacked on top of each other the wedges should be aligned.
4. When moving the products in your warehouse, be careful to lift them without letting them rub against each other.
5. When taking the panels into processing the stacks should be lined up carefully to avoid crushing, depressions and breakage in the edges and corners. In order to prevent buckling the panels should not be left leaning on anything with an angle.
6. The ambient temperature should be 25 degrees in order for the panel products to be cut smoothly.
7. A buttress gear saw must be used when cutting. For better results a saw with 'jumping' should be used for cutting panels. **3.** Be sure that your saw is sharpened properly.
8. The speed should be set at 15 m/min for proper cutting. **7.** When cutting make sure that the circular saw height is high enough to prevent lurching.
9. Products that are cut with a 45 degree angle should be made into a cover without waiting too long.
10. In order not to damage the surface, the products should be prevented from rubbing against each other during production.
11. The protective layer of film on the product reduces any damages that may occur during production to a minimum and maintains the gloss of the panel until the product is completed. It must not be removed during the production process.
12. The protective film on the panel products should be removed when assembly is completed and the High Gloss products should be wiped with a damp cloth or wood cleaner after letting stand for 2 hours once the film is removed.
13. When you have several consecutive jobs the color tones should be checked.
14. The products must not be exposed to direct sunlight.



15. The products should not be used outdoors, in a yard and areas that are washed with water and exposed to direct steam.

16. A damp cotton cloth or cotton cloth with soap or glossy surface cleaners without alcohol should be used to clean the product.

17. Never use surface cleaners with alcohol or abrasive cleaners, (Steel wool, scrubbers and dry clothes) otherwise you will cause the surface to become matt and scratched. Being exposed to excessive thinner and acid content substances for the purpose of cleaning will cause deformities on the surface.

18. The products should be protected from direct contact with heaters and air conditioners.

In the event that a defect or fault should occur due to not following these instructions properly, AGT Ağaç San. Ve Tic. A.Ş. shall not bear any liability in the scope of the warranty. All liability towards the consumer shall be borne solely by you. If AGT Ağaç San. Ve Tic. A.Ş. is required to make a payment to the consumer in this scope, the paid amounts will be compensated by you as the seller and in fact may be deducted from your balance.

Conditions for Warranty and Return of Products

1. The warranty period is 2 years which begins as of the date that the product is purchased by the consumer.

2. The description of the defect, test results if any and clear visual material (photograph, video,...) showing the defect must be submitted to our company for any products that are claimed to be defective, along with the right (*) the consumer wishes to exercise concerning the product, within the legally allowed period.

(*) In accordance with the Protection of Consumer Rights Law No 6502 article 11 you, as a consumer, have the right to demand one of the following actions concerning your product;

- a)** Retract your contract by notifying that you are ready to return the sold product,
- b)** Keep the product and ask for a discount in the amount of the defect from the sales price,
- c)** If it does not impose an exorbitant expense, to ask that the sold product be repaired free of charge at the seller's expense,
- d)** If possible ask for the product to be replaced with a non-defective product.

3. In the event of such a claim the documents will be examined and if necessary a sample will be requested to conduct analyses and tests on. The "Product Inspection Report" that is to be prepared after these analyses and tests, will determine if the error, fault or defect that is claimed originates from production and if it is within the scope of the warranty.



4. If an error, fault or defect is determined to be covered by warranty, the right you choose to exercise will be met.

5. If repair is requested during the warranty term the maximum repair period is 30 days.

6. The maximum useful life for a product is 10 years.

Situations that are not covered by warranty:

1. Situations that are not caused by production.

2. Use of the product in a way that violates user and maintenance instructions.

3. Deformations that occur on the product's surface due to transport or relocation after delivery of the product, damages and faults that occur due to external factors (impact, scratching, breaking).

Return Conditions concerning the AGT panel products you have purchased and delivered as the seller from AGT Ağaç San. Ve Tic. A.Ş.:

1. In the event that the delivery terms for the products you have purchased is to take delivery at the AGT factory, AGT Ağaç San. Ve Tic. A.Ş. shall not be liable for any damages sustained by the products during transport or unloading at your end and no returns related to this shall be accepted. If the products are to be delivered by AGT Ağaç San. Ve Tic. A.Ş., a "products properly loaded" notification stating that the products are undamaged is issued by the transport company in writing. If any products are attempted to be returned with the reason that the products, which were loaded and transported as described above, were physically damaged (broken, crushed, scratched, water damaged, etc.) during transport or unloading at which point during the transport and on what date the damage occurred is determined by the driver of the relevant vehicle and the authorized company representative and a written record of the incident is prepared to be signed by both parties (if there is an accident involved this includes the official record and photographs) and submitted along with the other documents to the Customer Representative within the legally allowed period. If these documents are not submitted to AGT no return or other demands will be accepted.

AGT PANEL E1 CERTIFICATE (TS EN 717-2/AC WOOD-BASED PANELS)



E1
FORMALDEHİT EMİSYONU
FORMALDEHYD EMISSION

TÜRK STANDARDLARI ENSTİTÜSÜ
E1 UYGUNLUK BELGESİ
TURKISH STANDARDS INSTITUTION
CERTIFICATE OF CONFORMITY TO E1

BELGE NUMARASI <i>REFERENCE NUMBER OF LICENCE</i>	024871-E1-02/01
BELGENİN İLK VERİLİŞ TARİHİ <i>DATE OF FIRST ISSUE OF LICENCE</i>	30.09.2014
BELGENİN SON GEÇERLİLİK TARİHİ <i>LICENCE VALID UNTIL</i>	30.09.2017
BELGE SAHİBİ KURULUŞUN ADI <i>NAME OF THE LICENCE HOLDER</i>	AGT AĞAÇ SANAYİ VETİC.A.Ş.
BELGE SAHİBİ KURULUŞUN ADRESİ <i>ADDRESS OF THE LICENCE HOLDER</i>	ORGANİZE SANAYİ BÖLGESİ 3.KISIM 35. CAD. NO:7 DÖŞEMEALTI ANTALYA/TÜRKİYE
ÜRETİM YERİ ADI <i>NAME OF THE MANUFACTURING PLACE</i>	AGT AĞAÇ SAN. VE TIC.LTD.ŞTİ.
ÜRETİM YERİ ADRESİ <i>ADDRESS OF THE MANUFACTURING PLACE</i>	ORGANİZE SANAYİ BÖLGESİ 3.KISIM 35. CAD. NO:7 DÖŞEMEALTI ANTALYA / TÜRKİYE
İPTAL EDİLEN BELGE NUMARASI (Varsa) <i>INDICATION OF SUPERSEDED LICENCE (if any)</i>	14.0.30.4.07.00/E1-005
TESCİLLİ TİCARİ MARKASI <i>REGISTERED TRADE MARK</i>	AGT PANEL
İLGİLİ TÜRK STANDARDI <i>RELATED TURKISH STANDARD</i>	TS EN 717-2/AC / Wood-based panels - Determination of formaldehyde release - Part 2: Formaldehyde release by the gas analysis method / 25.04.2006
BELGE KAPSAMI <i>SCOPE OF LICENCE</i>	FOIL COATED FORMALDEHYDE EMISSION FOR INDOOR USE E1, GENERAL PURPOSE (MDF TYPE) FIBERBOARD TO BE USED UNDER DRY CONDITIONS



TSE
TÜRK STANDARDLARI ENSTİTÜSÜ
ANTALYA BELGELENDİRME MÜDÜRLÜĞÜ



12/10/2016
HÜSEYİN ÖZDAMAR
ANTALYA BELGELENDİRME
MÜDÜRÜ V.

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AGT PROFILE AND PANEL QUALITY SUITABILITY CERTIFICATE**TSEK****TÜRK STANDARTLARI ENSTİTÜSÜ**
KALİTE UYGUNLUK BELGESİ
TURKISH STANDARDS INSTITUTION
CERTIFICATE OF CONFORMANCE TO QUALITY

Markanın Tanıtımı Description of the Mark

TSEK veya/ya **TSEK**

BELGE NUMARASI REFERENCE NUMBER OF LICENCE	024871-TSEK-01/01
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BELGE SAHİBİ KURULUŞUN ADI NAME OF THE LICENCE HOLDER	AGT AĞAÇ SANAYİ VE TİCARET A.Ş.
BELGE SAHİBİ KURULUŞUN ADRESİ ADDRESS OF THE LICENCE HOLDER	ORGANİZE SANAYİ BÖLGESİ AKDENİZBULVARI ANTALYA
ÜRETİM YERİ ADI NAME OF THE MANUFACTURING PLACE	AGT AĞAÇ SAN. VE TİC.LTD.ŞTİ.
ÜRETİM YERİ ADRESİ ADDRESS OF THE MANUFACTURING PLACE	ORGANİZE SANAYİ BÖLGESİ AKDENİZ BULVARI ANTALYA
TESCİLLİ TİCARİ MARKASI REGISTERED TRADE MARK	AGT
İLGİLİ BELGELENDİRME KRİTERİ RELATED TURKISH STANDARD	
BELGE KAPSAMI SCOPE OF LICENCE	PVC COATED WOOD FURNITURE STRUCTURE PROFILES AND PANELS



18./04/2016

İSMAIL ÜNLÜ

ANTALYA BELGELENDİRME
MÜDÜRÜ

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