

TECHNICAL SPECIFICATIONS

ACRYLIC PANEL Product Standard: TSE K 517

CONTROL CRITERIA	TEST STANDARD	UNIT OR FEATURE	THICKNESS RANGE (RATED)	
			t<15	15≤t≤20
THICKNESS COMPARED TO RATED VALUE ^{*1}	EN 14323	mm	+0,5/-0,3 $t_{max} - t_{min} \leq 0,6$	
LENGTH AND WIDTH	EN 14323	mm	± 5	
FLATNESS	EN 14323	mm/m	-	≤2 (only for balanced surfaces)
SURFACE DEFFECTS	EN 14323	m ²	4 pieces in 1 m ² between 0-2,5 mm 3 pieces in 1 m ² between 2,5-6 mm 2 pieces in 1 m ² between 6-10 mm 1 piece in 1 m ² between 10-15 mm	
SURFACE RESISTANCE TO MICRO-SCRATCH ^{*2}	CEN/TS 16611 (Method A)	% change	≤ 10	
RESISTANCE TO SCRATCHING ^{*3}	EN 15186 Method B	N	≥1	
SURFACE RESISTANCE TO DRY TEMPERATURE (70°)	EN 12722	Rating	5	
LIGHT FASTNESS (XSENON ARC LAMP) ^{*4}	EN 15187	Scale	Grey scale ≥ 4/5 Blue wool scale > 6	
MIRROR EFFECT ^{*5}	TSE K 479	Observation	min. 6	
GLOSS (60°)	EN 13722	Gloss Unit (GU)	70	
COLOUR DIFFERENCE (BY REFERANCE SAMPLE)	EN 13721	ΔE (L, a, b)	<1	
RESISTANCE TO COLD LIQUIDS (RESISTANCE TO CHEMICALS)	EN 12720+A1	Rating	min. 3 (16 h)	
SURFACE RESISTANCE TO WET TEMPERATURE (70 °C)	EN 12721	Rating	5	
FORMALDEHYDE RELEASE	EN ISO 12460-3	mg/m ² air	E0 < 1,75 E1 ≤ 3,5 E2 ; 3,5 < release ≤ 8	

As an official trademark of Kastamonu, **Acrylic Panel** boards are **liner and acrylic covered MDF** boards for interior furniture and decoration applications. This type of boards are especially used for office, kitchen, bathroom, and rail cabinets.

Please refer to the “**Medepan Technical Specifications**” for the substrate raw board specifications

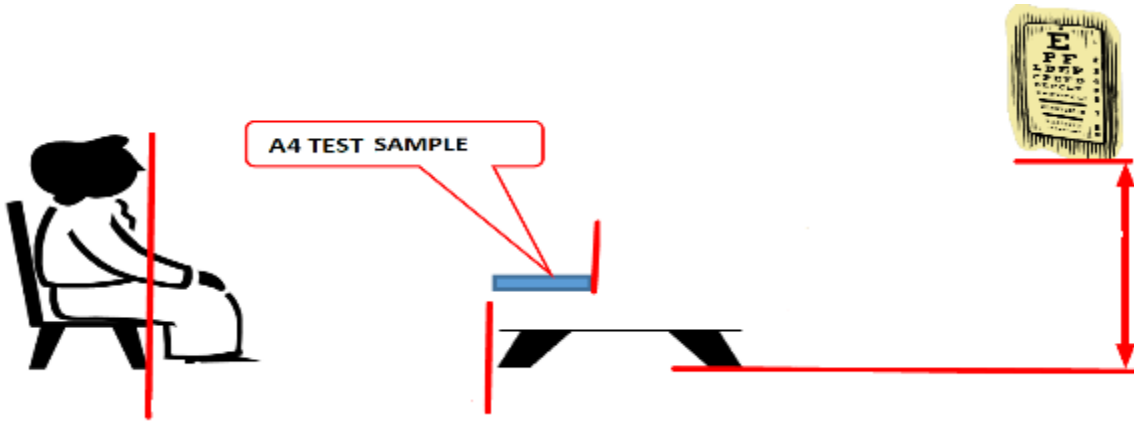
***1 Thickness tolerances:** Here the thickness expresses the total thickness of the raw MDF board and the coatings of both surfaces of the board.

***2 Surface Resistance to Micro Scratch:** Specifies assessment of the surface resistance to micro scratching and relates to rigid surfaces of all finished products regardless of materials.

***3 Resistance to scratching:** Does not include the pearlescent surface treatment.

***4 Light Fastness:** It covers the evaluation of the light effect on the rigid surfaces of all products whose surface treatments have been completed, regardless of their materials

***5 Mirror Effect:** The mirror effect is measured as shown in the figure below and test rating is defined as the thorough and completely correct readable last sentence number.



Colour matching and surface texture: A slight deviation of colour and / or surface texture according to Rating4 EN14323 between the test sample and Kastamonu reference sample.

It is recommended the components that will be used side by side should be selected from the same production batch to maintain colour compatibility.

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Note 2: For current EN and TSE document / document scope, it is recommended to contact relevant Sales Executive.