

TECHNICAL SPECIFICATIONS

INDUSTRIAL ACRYLIC PANEL PRODUCT STANDARD: TSE K 517

CONTROL CRITERIA	TEST METHOD	UNIT OR FEATURE	THICKNESS RANGE (RATED)
			15≤t≤20
THICKNESS COMPARED TO RATED VALUES -THICKNESS t RELATIVE TO NOMINAL VALUE	EN 14323	mm	+0,5/-0,3 tmax – tmin ≤ 0,6
LENGTH AND WIDTH	EN 14323	mm	± 5
FLATNESS	EN 14323	mm/m	≤2
SURFACE RESISTANCE TO MICRO-SCRATCH	KEAS Specific	% change	70-100
RESISTANCE TO SCRATHING	KEAS Specific	N	0,1-0,5
SURFACE RESISTANCE TO DRY TEMPERATURE (70°)	EN 12722	Rating	5
LIGHT FASTNESS (XENON ARC LAMP)	EN 15187	Scale	Grey scale ≥ 4/5 Blue wool scale > 6
MIRROR EFFECT	TSE K 479	Observation	min. 6
GLOSS (60°)	EN 13722	Gloss Unit (GU)	70
COLOR DIFFERENCE (BY REFERANCE SAMPLE)	EN 13721	ΔE (L, a, b)	<1
RESISTANCE TO COLD LIQUIDS	KEAS Specific	Rating	1-3 (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; 1,75 < E1 ≤ 3,5; 3,5 < E2 ≤ 8

As an official trademark of Kastamonu, **Industrial 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

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

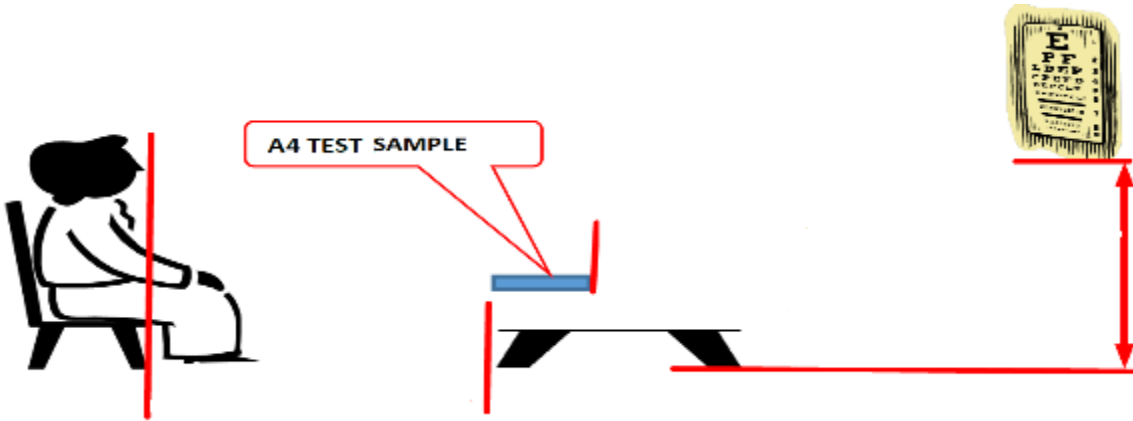
Surface Resistance to Micro Scratch: Specifies assessment of the surface resistance to micro scratching and relates to rigid surfaces of all finished products regardless of materials.

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

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.

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.



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

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