

Acoustic Panels



	MDF TECHNICAL DATA		
	Performance		
	UNIT	10 MM	TEST METHOD
DENSITY	Kg/m ³	780 ± 30	TS EN 323
LENGHT TOLERANCE	MM	±5 mm	TS EN 324-1
WIDTH TOLERANCE	MM	±5 mm	TS EN 324-1
THICKNESS TOLERANCE	MM	±0,2	TS EN 324-1
MITTER TOLERANCE (MAX.)	MM	"1 m up to ±1 mm 1 m more than ±2 mm"	TS EN 324-2
TENSILE STRENGHT	MM	≥0.60	TS EN 319
BENDING STRENGHT	MM	≥0.22	TS EN 310
ELASTICITY	MM	≥2500	TS EN 310

RESPONSE TO FIRE CLASSIFICATION				
TEST METHOD	PARAMETER	NUMBER OF EXPERIMENTS	EXPERIMENTAL RESULTS AND DE ERLENDİRME	
			CONTINUOUS PARANETESİN AVERAGE	NON-CONTINUOUS PARAMETERS
TS EN ISO 11925-2 (30 S SURFACE EXPOSURE)	60 S IN FS ≤ (150 MM)	6	(-)	NO FLARE-UP EXCEEDING 150 MM
	NO BURNING OF THE FILTER		(-)	NO BURNING
TS EN L3823+AL	FIGRA ≤ L20 W/S	3	31,46	(-)
	THR (600S) < 7,5 MJ		1,7	(-)
	SMOGR ≤ 30 M ² /S ²		4,92	(-)
	TSP (600S) ≤ 50 M ²		40,42	(-)
	NO COMBUSTION DROPS IN 600S		(-)	NO BURNING DROPS

(-) NOT APPLICABLE

SOUND ABSORPTION COEFFICIENT NRC VALUES COMPARISON TABLE

PRODUCT	FELT	FELT
DENSITY	100 kg/m ³	100 kg/m ³
THICKNESS	7 mm	7 mm
FREQUENCY	100 kg/m ³ - 7 mm (ISO 354)	100 kg/m ³ - 7 mm (ISO 354)
100	0,01	0,02
125	0,02	0,03
160	0,03	0,04
200	0,05	0,05
250	0,07	0,08
315	0,10	0,09
400	0,15	0,13
500	0,19	0,16
630	0,26	0,21
800	0,34	0,26
1000	0,43	0,34
1250	0,48	0,39
1600	0,56	0,43
2000	0,60	0,48
2500	0,65	0,54
3150	0,67	0,60
4000	0,74	0,64
5000	0,76	0,68
NRC	0,30	0,25

Folio Specifications

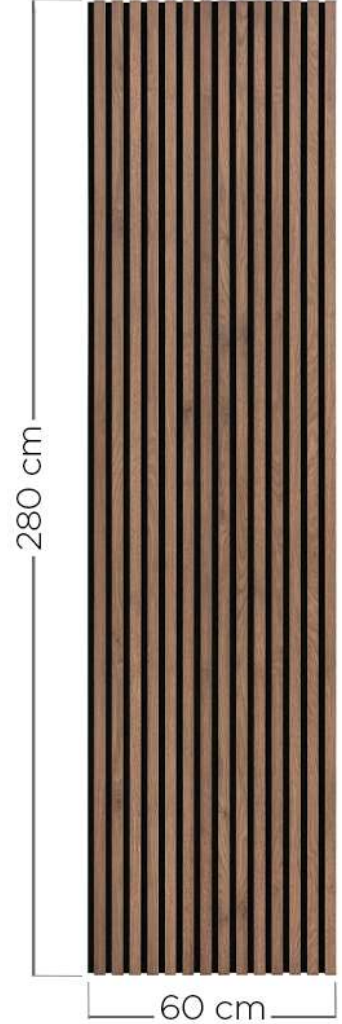
	SURFACE TYPE
	MAT P.V.C
THICKNESS TOLERANCE	<0.6
Glossiness	0.15-0.30 ± 0.03
SCRATCH RESISTANCE	≥5 (60')
CRATCH RE-SISTANCE	≥1,9 NEWTON ↑
SURFACE TENSION (mN / m)	>38

THICKNESS BREAKING TENSILE TEST (7 MM)						
	A-CODED APPLICATION		B-CODED APPLICATION		C-CODED APPLICATION	
NO.	TENSILE STRENGTH (KPA)	FORM OF RUPTURE	TENSILE STRENGTH (KPA)	FORM OF RUPTURE	TENSILE STRENGTH (KPA)	FORM OF RUPTURE
1	135,7	FROM THE MIDDLE PLACE OF THE HEAT-INSULATING MATERIAL	127,2	FROM THE MIDDLE PLACE OF THE HEAT-INSULATING MATERIAL	169,4	FROM THE MIDDLE PLACE OF THE HEAT-INSULATING MATERIAL
2	131,4	FROM THE MIDDLE PLACE OF THE HEAT-INSULATING MATERIAL	122,5	FROM THE PLASTER PLACE OF THE HEAT-INSULATING MATERIAL	170,5	FROM THE MIDDLE PLACE OF THE HEAT-INSULATING MATERIAL
3	140,6	FROM THE MIDDLE PLACE OF THE HEAT-INSULATING MATERIAL	127,4	FROM THE PLASTER PLACE OF THE HEAT-INSULATING MATERIAL	129,0	FROM THE MIDDLE PLACE OF THE HEAT-INSULATING MATERIAL
4	133,0	FROM THE MIDDLE PLACE OF THE HEAT-INSULATING MATERIAL	110,9	FROM THE PLASTER PLACE OF THE HEAT-INSULATING MATERIAL	137,3	FROM THE MIDDLE PLACE OF THE HEAT-INSULATING MATERIAL
5	140,6	FROM THE MIDDLE PLACE OF THE HEAT-INSULATING MATERIAL	135,4	FROM THE MIDDLE PLACE OF THE HEAT-INSULATING MATERIAL	146,3	FROM THE MIDDLE PLACE OF THE HEAT-INSULATING MATERIAL
6	145,1	FROM THE MIDDLE PLACE OF THE HEAT-INSULATING MATERIAL	132,0	FROM THE PLASTER PLACE OF THE HEAT-INSULATING MATERIAL	166,1	FROM THE MIDDLE PLACE OF THE HEAT-INSULATING MATERIAL
AVERAGE	137,7		125,9		153,1	

Acoustic Panel

Design And Apply!
Tasarla ve Uygula!

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Geniş Renk Seçenekleri



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Superior Surface Quality



Low Snapping Effect



UV Resistant



Suitable for Cutting



High Screw Holding and
Tensile Strength



FSC



ISO 45001-2018



ISO 14001-2015



ISO 9001-2015



TSE 13837



TSE 17225-3



Service Qualification
Certificate



Management System
Policy and Our
Commitment



The Integrated
System Of Our Arkopa
Organization

Arkopa Ahşap Panel San. A.Ş.

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