



UMI Plasterboard Standards compared with ASTM C1396 and DIN EN 520 Standard Limits

SPECIFICATIONS

1- DIMENSIONS

The Specimens	UMI Specifications Tolerances (mm)	ASTM C1396 Specifications Tolerances (mm)	DIN EN 520 Specifications Tolerances (mm)
Thickness (mm) 9.5 , 12.5 , 15 , 16 , 18	± 0.3	± 0.4	± 0.5
Length (1800 mm – 4000 mm)	0 to - 4	0 to - 6	0 to - 5
Width (1200 mm , 1220 mm)	0 to - 3	0 to - 3	0 to - 4
Squareness (mm)	≤ 2	≤ 3	≤ 2.5

2- FLEXURAL STRENGTH

The Specimens thickness	UMI Specifications (N)		ASTM C1396 Specifications (N)		DIN EN 520 Specifications (N)	
	L	T	L	T	L	T
9.5 mm	≥ 485	≥ 175	≥ 356	≥ 133	≥ 400	≥ 125
12.5 mm	≥ 625	≥ 250	≥ 489	≥ 178	≥ 550	≥ 210
15 mm	≥ 720	≥ 315	≥ 667	≥ 222	≥ 650	≥ 225
16 mm	≥ 735	≥ 335	≥ 667	≥ 222	≥ 688	≥ 256
18 mm	≥ 845	≥ 470	≥ 756	≥ 267	≥ 774	≥ 288

3- HARDNESS

The Specimens	UMI Specifications (N)	ASTM C1396 Specifications (N)	DIN EN 520 Specifications (N)
CORE	≥ 80.1	≥ 67	Not Specified
END	≥ 75.65	≥ 67	Not Specified
EDGE	≥ 75.65	≥ 67	Not Specified

4- NAIL PULL

The Specimens thickness	UMI Specifications (N)	ASTM C1396 Specifications (N)	DIN EN 520 Specifications (N)
9.5 mm	275.6	267	Not Specified
12.5 mm	369.4	356	Not Specified
15 mm	415	400	Not Specified
16 mm	415	400	Not Specified
18 mm	460	445	Not Specified

* The test results and pertinent information are for UMI Plasterboards of the types: - Regular , Fire Resistant , Moisture Resistant , Fire & Moisture Resistant .

ENG.

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إدارة المصنع:
ينبع، ص.ب. ٣١٤٩١،
هاتف: ٨٧٧٧ ٣٩٦ ٩٦٦ +
فاكس: ٢٦٦٦ ٣٩٦ ٩٦٦ +

المركز الرئيسي
ص.ب ١٢٧٣٩٨ جدة ٢١٣٥٢
هاتف: ٣٤٩٧ ٦٩١ ٩٦٦ +
فاكس: ٣٦٨٢ ٦٨٢ ٩٦٦ +