



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.

AHMED BADAWY

QA/QC Manager



Head Office:
P.O.Box 127398 Jeddah 21352
T. +966 2 691 3497,
F. +966 2 682 3651,
E-mail: jeddahsales@ugc.com.sa

Plant Management
Yanbu, P.O. Box: 31491,
T. +966 4 396 8777,
F. +966 4 396 2666,
E-mail: yanbusales@ugc.com.sa

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 +