M Profiles

OMEGA STEEL CO.
Istanbul · Dilovası plant

M profiles are the small hat-shaped furring channels of the drywall and ceiling trade — an omega in miniature, 15–40 mm high, 0.5–1.2 mm thick — screwed to joists, brackets or masonry to carry plasterboard, cement board, metal ceiling panels or light cladding on a flat, level plane. We roll them at Dilovası from DX51D Z140 and Z275 strip in the standard drywall sizes and in heavier gauges for façade furring, lengths to 6 m, by the thousand.

15–40 mm high | 0.5–1.2 mm | Z140 / Z275 | EN 14195 drywall sizes | Lengths to 6 m

The M profile is the section nobody sees and every ceiling hangs from. We roll it in tonnage for drywall distributors and contractors — the same strip and the same line as our omega, one size down and a great deal more of it.

GRADES, STANDARDS AND TOLERANCES

Grade / standard	Yield (MPa)	Note
DX51D+Z140 (EN 10346)	≈ 140 (not guaranteed)	indoor ceilings and wall lining — EN 14195 minimum
DX51D+Z275	≈ 140	bathrooms, external soffits, humid buildings
S280GD+Z275	280	heavier façade furring 1.0–1.2 mm
ZM (zinc-magnesium)	—	coastal soffits, on request

EN 14195 requires Z140 minimum for internal framing; we roll Z140 as standard and Z275 on request at the same lead time.

M PROFILE SECTION TABLE

Height (mm)	Crown (mm)	Flange (mm)	t (mm)	kg/m	Use
15	20	15	0.5	0.35	wall lining furring, thin cavity
25	35	20	0.5 / 0.6	0.45 / 0.55	standard ceiling cross-furring (EN 14195)
25	40	25	0.8	0.80	heavy ceiling, cement board
38	50	25	0.5 / 0.7	0.60 / 0.85	primary furring, service cavity
38	60	30	0.9 / 1.2	1.25 / 1.65	façade and soffit furring
40 (resilient)	35	20 (single)	0.5	0.40	acoustic decoupling of boards

Crown knurled for screw grip on request. Weights for Z140 strip.

SPACING AND FIXING GUIDE

Application	Furring centres	Support / hanger spacing	Board fixing
12.5 mm plasterboard ceiling	400–500 mm	900–1 200 mm	3.5 × 25 mm drywall screws at 170 mm
2 × 12.5 mm board (fire)	400 mm	900 mm	as above, staggered
12 mm cement board	400 mm	600–900 mm	4.2 × 32 mm cement-board screws
Metal ceiling panels	600 mm	1 200 mm	clip-in / hook-on
Wall lining on masonry	600 mm	brackets at 600–800 mm	board screws
Light external cladding	400–600 mm	600 mm	stainless screws

Use clips or hangers rated for the ceiling load; the M profile itself is not designed for point loads from services — hang those separately.

STANDARDS

EN 10346 — DX51D + Z140 / Z275 strip · EN 14195 — metal framing components for gypsum board systems · EN 13964 — suspended ceilings · EN 10204 3.1