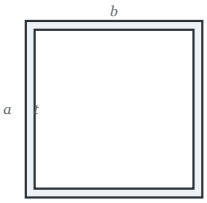
Pre-Painted Box Section

OMEGA STEEL CO.
Istanbul · Dilovası plant

Pre-painted box sections are square and rectangular tubes rolled from pre-painted (PPGI-type) strip, so the colour comes off the mill — no painting after fabrication. We roll RAL 9016 white, RAL 7016 anthracite, RAL 3009 oxide red and RAL 9005 black in 15×15 to 100×100 mm and 1.2–3 mm walls at Dilovası, 6 m, with the weld seam colour-repaired in-line. The tube of fences, gates, railings, greenhouse and pergola frames, shop fittings and modular systems.

15×15 – 100×100 mm | Wall 1.2–3 mm | RAL 9016 · 7016 · 3009 · 9005 | Primed (anti-rust) option | 6 m



40 × 40 × 2 mm

A white fence rail, an anthracite pergola beam, a red-oxide rack upright — delivered in colour, straight from the bundle, at the price of tube plus strip paint instead of tube plus a paint shop. We roll 468 size/wall/colour combinations and keep the four standard colours in the common sizes.

PRE-PAINTED BOX SECTION SIZES AND WEIGHT PER METRE

Size (mm)	Wall (mm)	kg/m	kg per 6 m bar
10 × 20	1.2	0.52	3.12
10 × 20	1.5	0.64	3.84
10 × 20	2	0.82	4.92
10 × 30	1.2	0.69	4.14
10 × 30	1.4	0.82	4.91
10 × 30	1.5	0.85	5.1
10 × 30	1.9	1.08	6.48
10 × 30	2	1.09	6.54
10 × 30	2.5	1.37	8.24
10 × 40	1.2	0.9	5.38
10 × 40	1.5	1.11	6.64
10 × 40	2	1.44	8.66
10 × 40	2.5	1.77	10.6
10 × 50	1.5	1.34	8.05

First 14 of 468 rows — the full table is on the product page.

Roll-formed from painted or primed strip (RAL 9016 white, 7016 anthracite, 3009 red, 9005 black; anti-rust primer); 6 m lengths.

GRADES, STANDARDS AND TOLERANCES

Grade / standard	Yield (MPa)	Note
Painted strip: DX51D+Z + polyester 20–25 µm (EN 10169)	≈ 280 (typ.)	the standard — galvanized under the paint
Primed strip: DC01 / HRPO + anti-rust primer	≤ 280 / ≥ 235	red-oxide or grey primer, for top-coating
S235JRH black + powder coat (alternative)	≥ 235	structural, painted after fabrication

Dimensions and tolerances to EN 10219-2; paint system polyester over Z100–Z140 galvanized strip; seam colour-repaired in-line. Cut ends are bare — touch up.

COLOURS AND PAINT SYSTEMS

Colour	RAL	Substrate	Typical use
White	9016 (or 9010)	galvanized + polyester	fences, railings, greenhouses
Anthracite grey	7016	galvanized + polyester	modern fences, pergolas, gates
Oxide red	3009	galvanized + polyester or primer	racks, agricultural, industrial
Black	9005	galvanized + polyester	railings, furniture, display
Other RAL	on order	galvanized + polyester	min. 10 t per colour
Anti-rust primer	red-oxide / grey	cold-rolled or HRPO	for top-coating after fabrication

Polyester 20–25 µm gives 5–10 years outdoor colour retention; PVDF on request for coastal and high-UV sites.

STANDARDS

EN 10219 — dimensions · EN 10169 — pre-painted strip (organic coated flat products) · EN 10346 DX51D+Z (substrate of painted strip) / DC01 (primed) · EN 10204 3.1