# RAL 6005 Moss Green PPGI

**OMEGA STEEL CO.**
Istanbul · Dilovası plant

RAL 6005 moss green is the dark, slightly blue-toned green that planning authorities ask for on farm buildings, stables, forestry and park structures, camp sites and any roof that must disappear against trees. It is also the traditional colour of fence panels and gates. We stock it in 0.45–0.50 mm on DX51D+Z100 with 25 µm polyester and supply trapezoidal sheet, fence profiles and flashings from it.

RAL 6005 · moss green | LRV ≈ 8 % | Stock 0.45–0.50 mm | Agricultural & landscape | Fence-panel green

When the planning condition says "roof in a recessive green", it means 6005. It is a small but steady colour for us: agricultural roofs, riding halls, park buildings and the fence-panel trade that wants a green to match hedges.

## COLOUR DATA

| RAL code | Name | Approx. hex | Light reflectance (LRV) | Gloss (60°) | Colour tolerance |
|---|---|---|---|---|---|
| RAL 6005 | Moss green / Moosgrün | #0F4336 | ≈ 8 % | 30–40 semi-gloss; matt on request | ΔE ≤ 1.0 to RAL 841-GL; matches 6005 powder-coated mesh |

## WHICH PAINT SYSTEM HOLDS THIS COLOUR

| System | Chalking | ΔE at 10 yr | Gloss kept | Typical use |
|---|---|---|---|---|
| PE polyester 25 µm | moderate | 3–5 | 45–60 % | agricultural roofs, fence panels |
| SMP / HDP 25 µm | low | 2–3 | 60–80 % | exposed roofs, high-UV sites |
| PVDF 25–35 µm | very low | ≤ 1.5 | > 80 % | façades, colour warranty |
| Matt-textured PE | masked by texture | 3–5 | n/a | architectural stock |

Green pigments are light-fast; PE is adequate for agricultural roofs and fences, SMP/PVDF for a 20-year colour warranty or Gulf/North-African UV.

## RECESSIVE COLOURS FOR COUNTRYSIDE BUILDINGS

| RAL | Name | LRV | Character | Stock |
|---|---|---|---|---|
| 6005 | Moss green | ≈ 8 % | dark blue-green, matches hedges and mesh fencing | yes |
| 6009 | Fir green | ≈ 6 % | darker, yellower — conifer woodland | to order |
| 6007 | Bottle green | ≈ 5 % | darkest green, almost black | to order |
| 6020 | Chrome green | ≈ 8 % | greyer, olive | to order |
| 8014 | Sepia brown | ≈ 6 % | dark brown — timber and soil landscapes | to order |
| 7016 | Anthracite grey | ≈ 6 % | neutral dark — accepted in most guidance | yes |

Check the local planning condition — some name the RAL number explicitly, most accept any dark recessive green, brown or grey.

## THICKNESS RANGE AND STOCK SIZES

| Thickness | Widths × lengths | Availability |
|---|---|---|
| 0.45–0.50 mm | 1 000 / 1 250 mm coil; sheet to 6 000 mm | stock — roofing, fence strip |
| 0.40 mm | 1 250 mm coil | to order — cladding |
| 0.60–0.70 mm | 1 250 mm coil | to order — gates, doors |
| Slit strip for fence panels | 0.45–0.60 × 100–300 mm | stock coil slit to order |

## STANDARDS

EN 10169 — continuously organic-coated (coil-coated) steel · EN 10346 — DX51D+Z substrate · RAL 841-GL colour register · EN 13523 (ECCA) test methods; EN 10204 3.1



Updated 22 September 2026 · figures are nominal; the mill certificate governs