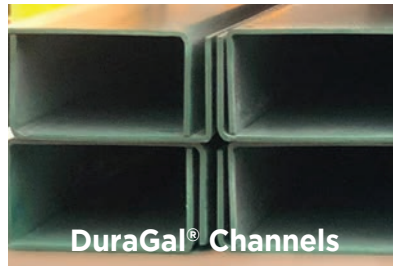


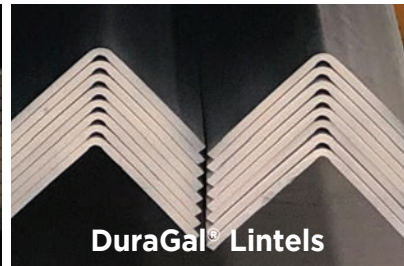
DuraGal<sup>®</sup> Angles



DuraGal<sup>®</sup> Channels



DuraGal<sup>®</sup> Flats



DuraGal<sup>®</sup> Lintels

## THE DURAGAL<sup>®</sup> DIFFERENCE

DuraGal<sup>®</sup> Profiles provide a superior level of corrosion resistance compared to hot-dip galvanising through the unique chemical composition of the zinc coating, which contains a minimum of 3% Magnesium and 2.5% Aluminium. This advanced galvanised coating allows consistent and uniform quality while processing and provides an attractive, spangle free surface finish that removes the need for secondary galvanising operations.

DuraGal<sup>®</sup> Angles, Channels, Flats and Lintels can be manufactured to your desired dimensions and lengths with in-line hole punching or edge bevelling also available (non-standard items may be subject to minimum order quantities).

### ATTRIBUTES OF DURAGAL<sup>®</sup>

- Yield strength has a minimum of 350Mpa with a typical range of 350Mpa to 450Mpa.
- Tensile strength has a typical range of 450Mpa to 600Mpa.
- Zinc coating composition has a minimum of 3.0% Magnesium and 2.5% Aluminium.
- Zinc coating has a minimum total mass of both sides of 180g/m<sup>2</sup>.



**Additional technical specifications, including section properties, are available upon request.**

- ✓ **CORROSION RESISTANCE:** DuraGal<sup>®</sup> coating has a minimum composition of 3% magnesium and 2.5% aluminium, demonstrating 5 to 10 times the superior corrosion resistance compared to hot-dip galvanising.
- ✓ **SELF-HEALING PROTECTION:** The unique DuraGal<sup>®</sup> coating self heals over exposed and cut edges with a thin zinc-based protective film, hence visible white rust will be less frequent compared to galvanised material which can show 5% white rust within 24h.
- ✓ **EASILY PROCESSED:** The chemical composition permits conventional processing operations. DuraGal<sup>®</sup> is easily used in bending, drawing, clinching, profiling, stamping and welding processes with a stable and lower friction outcome than forming hot-dip galvanised steel.
- ✓ **SURFACE CONDUCTIVITY:** Inherently avoids the load of electrical charges, important for applications such as cable trays, PV solar structures or electrical cabinets.
- ✓ **HARDNESS & SCRATCH RESISTANCE:** Innate abrasive wear resistance and scratch resistance.
- ✓ **IMPROVED SURFACE QUALITY:** The already finished surface removes the need for blasting and priming.
- ✓ **REDUCED MATERIAL MANAGEMENT:** Eliminates the need to organise secondary galvanising processes.