

Aitkens cable tray & accessories are now available in a ZM (Zinc Magnesium ZM310) finish for superior corrosion protection in harsh / corrosive environments.

ZM is a metallic coating applied to steel which is composed of a chemical composition incorporating Zinc, Magnesium & Aluminium. This offers corrosion protection equal to hot dipped galvanised (HDG) steel and in some cases ZM exceeds HDG performance.

Other benefits are listed below:

- Extended end-product life, delivering reduced maintenance and / or replacement costs
- Reduced production time with the molten zinc dipping process now not necessary
- Lower environmental impact through extended product life and reduced raw material consumption contributing to a lower carbon footprint
- RoHS compliant – ZM material is lead & mercury free
- Shorter lead times as the ZM finish is applied at the steel mills reducing logistical times / costs associated with the HDG process which is better for the environment

Environment Category	Pre-Galv Steel (G275)	ZM 310	Post Galv Steel (HDG)
C2 Exterior: exposed rural	>20 Years	>50 Years	>50 Years
C3 Exterior: urban inland or mild coastal	20 to 10 Years	>50 to 30 Years	>20 Years
C4 Exterior: industrial inland or urban coastal	10 to 5 Years	30 to 15 Years	20 to 10 Years
C5 Exterior: high salinity coastal (>300m of the sea)	5 to 2 Years	15 to 8 Years	10 to 5 Years

When ZM finish products are exposed to harsh / corrosive environments a dense protective film forms over the steel this protects the product including any raw edges, scratches or perforations on the product providing a unique corrosive protection.

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