MagTech Colour

High Durability Paint on a Zn-Al-Mg substrate

MagTech Colour pairs High Durability Paint (HDP) with a zinc-aluminium-magnesium substrate. The hot-dipped Zn-Al-Mg coated steel uses cold-rolled steel of varying strengths and thicknesses as its substrate, with a coating composition of approximately 5–12% aluminium, 2–4% magnesium and the remainder zinc, applied to both surfaces in a continuous hot-dipping process.

Key benefits

- High Durability Paint (HDP) resists weathering, corrosion and fading
- Indicative warranties of up to 20 years, depending on installation location
- Zn-Al-Mg delivers up to 10 times more corrosion resistance than traditional zinc coatings
- Superior edge healing compared with traditional zinc and aluminium-zinc coatings
- Suitable for the installation of most modern solar systems, industrial or domestic
- Supplied as standard with an M150 coating layer

Layered composition

Layer	Nominal thickness
HDP paint coating	18 µm
Primer	7 µm
Pre-treatment	—
Zn-Al-Mg coating	—
Base metal	—
Zn-Al-Mg coating	—
Pre-treatment	—
Backing HDP paint coating	7 µm

Independent test results

Test	Coatings compared
1680 hours of cyclic ageing testing	M100, AZ100, Z200
1000 hours of neutral salt spray resistance testing	M100, AZ100, Z200
1440 hours of neutral salt spray resistance testing	M100, AZ150, Z200

Products were tested by an ISO 9001:2015 certified independent laboratory specialising in coatings, corrosion, materials and environmental testing. Initial testing used M100 as a benchmark; MagTech Colour is supplied with an M150 coating layer as standard.

Indicative warranties by location

Location	Rural	Urban / Countryside	Coastal / Industrial	Marine
Kilometres from the ocean	>50 km	6 to 50 km	1 to 6 km	0 to 1 km
Corrosion zone	C1	C2	C3	C4
Indicative warranty	20 Years	15 Years	10 Years	Available on request

Warranties shown are indicative only. The achievable warranty is confirmed in writing by Technical Trading Africa for the specific installation location and building use. Terms and conditions apply.

Obtaining a warranty

To obtain a warranty, provide the installation location of the MagTech Colour coil and the intended use of the building it will cover. Your Technical Trading Africa agent confirms the warranty the area achieves and the installation instructions required for compliance. A brief post-installation inspection is the final step in securing the warranty.

Available colour range

Colour	Swatch	Chromadek match	Colorbond match	Colorplus match
Cloud White		Fish Eagle White	African White	Sea Spray
Pearl Grey		Dove Grey	Amour Grey	Rain Cloud
Shadow Slate		Dark Dolphin	Volcanic Grey	Slate
Dark Night		Charcoal Grey	Cape Charcoal	Thunderstorm

Printed and on-screen swatches are indicative only. Request a physical sample before final colour selection. Brand matches are nearest-equivalent references and are not exact.

Applications

MagTech Colour offers corrosion resistance up to 10 times greater than pre-galvanised steel sheet, with high hardness, excellent bonding strength, scratch resistance and formability — suited to exposed roofing and cladding, construction, home appliances, photovoltaics and automotive components.

Issued by Technical Trading Africa (Pty) Ltd. Data is given in good faith for guidance; specifications are confirmed at order stage.