



The future of **COLOUR-COATED STEEL**



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Embrace the Future Today: Engineered with state-of-the-art technology and superior quality for unmatched corrosion protection, setting a new standard in durability and performance to meet the evolving demands of the industry.

Benefits of SpectraMag™

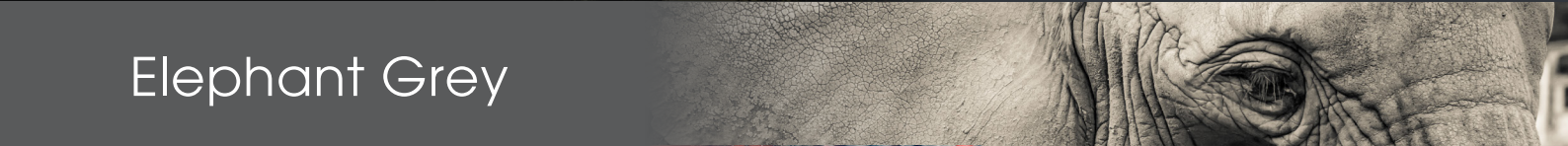
- ✓ Experience unparalleled quality with our High Durability Paint (HDP), designed to provide exceptional resistance to weathering, corrosion, and fading, ensuring your colour-coated steel maintains its vibrant appearance and durability for years to come.
- ✓ Enjoy peace of mind with our colour-coated steel, achieve up to a 15-year warranty that guarantees long-lasting performance and exceptional quality.
- ✓ Discover superior protection with our Zn-Al-Mg product, delivering up to 10 times more corrosion resistance than traditional Zn coatings, ensuring extended durability and reliability.
- ✓ Benefit from enhanced durability with our steel, featuring superior edge healing properties compared to traditional Zinc and Aluzinc, ensuring more reliable protection and longevity at critical edges.
- ✓ SpectraMag™ is suitable for the installation of most modern solar systems, whether it be for industrial or domestic applications.



SpectraMag™ Colour Chart



Midnight Grey



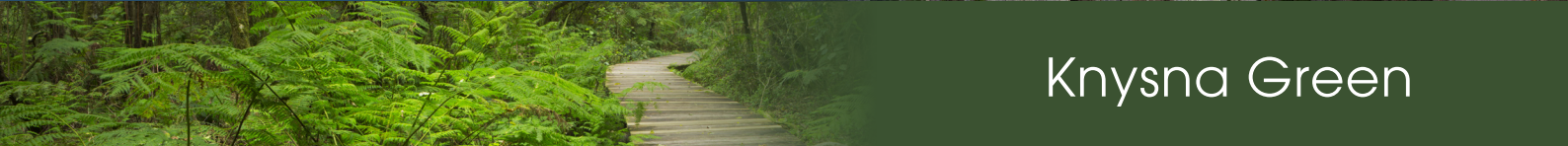
Elephant Grey



Ash Grey



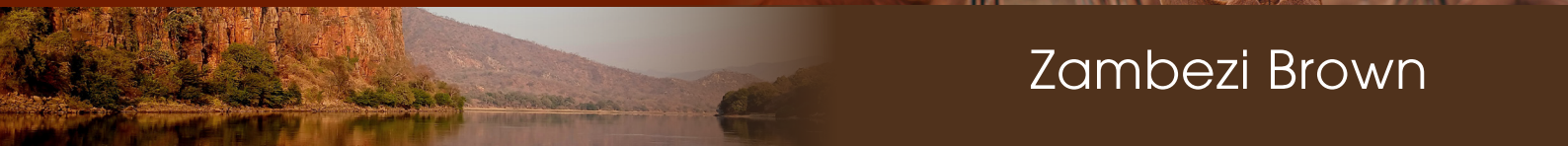
Atlantic Blue



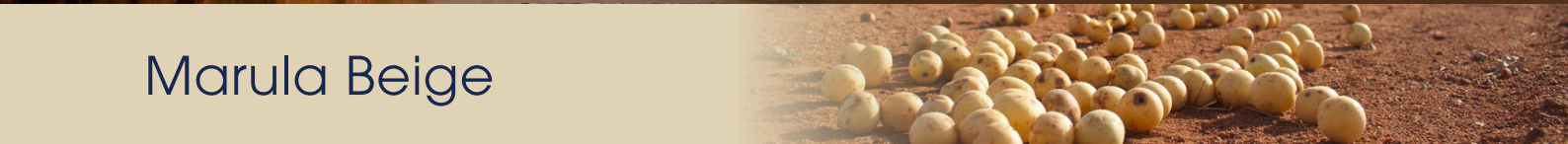
Knysna Green



Impala Red



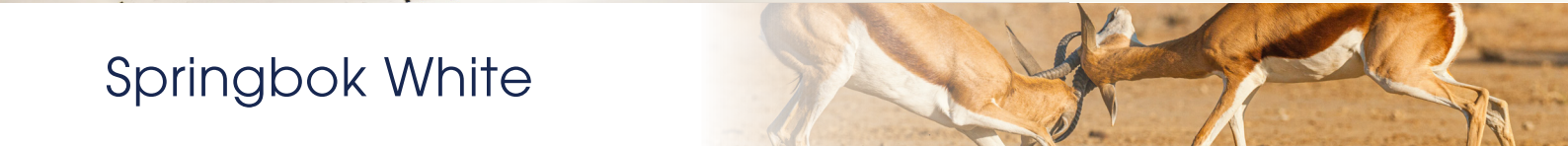
Zambezi Brown



Marula Beige



Ivory Dune



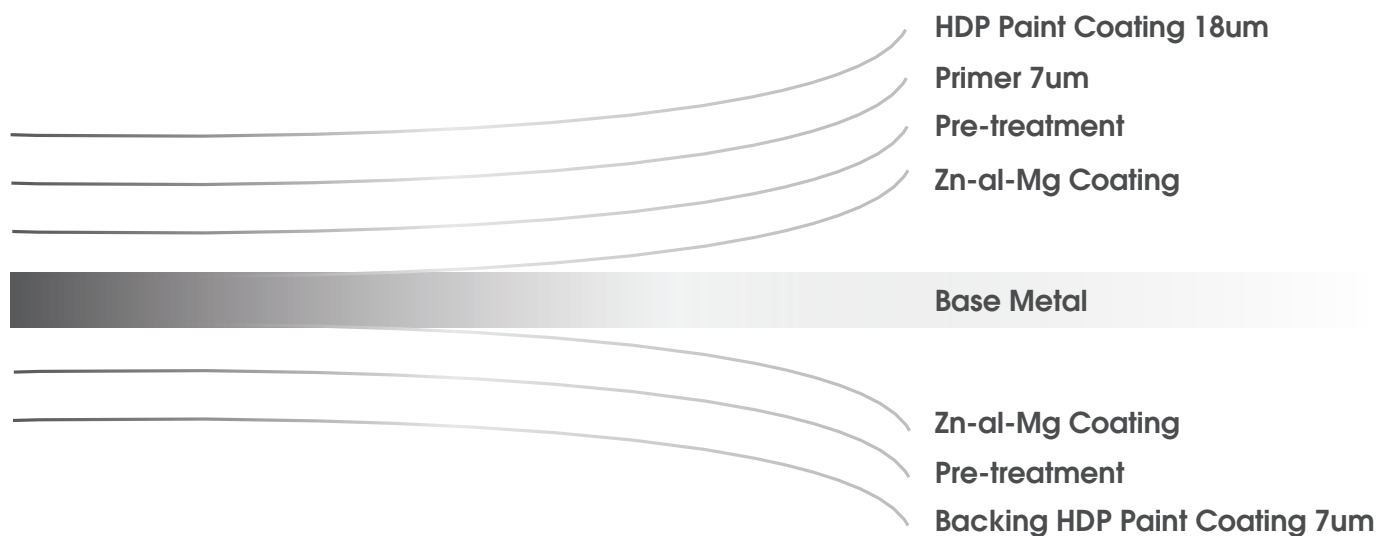
Springbok White

What Sets Zn-Al-Mg Apart?

Hot-dipped Zinc-Aluminium-Magnesium coated steel is a specialised product that utilises cold-rolled steel of varying strengths and thicknesses as its substrate. This steel is manufactured by applying a Zn-Al-Mg coating to both surfaces through a continuous hot-dipping process. The coating composition includes approximately 5-12% aluminium, 2-4% magnesium, and the remainder is Zinc. This combination leverages the physical protective qualities and durability of aluminium and magnesium, alongside the electrochemical protection of Zinc. Magnesium changes the micro-structure of the coating which inhibits the formation of Zinc Carbonate and Zinc Oxide providing superior corrosion resistance and forms a **Highly-stable** protective layer.

The inclusion of Magnesium significantly improves self-healing properties, working in synergy with Zinc and aluminium to greatly enhance incision protection. This extremely strong corrosion-resistant material is then coated with high durability paint (HDP), ensuring exceptional longevity and performance tailored to your requirements.

Layered Composition of SpectraMag™



Product Features

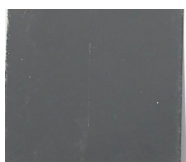
SpectraMag™ offers corrosion resistance that is up to 10 times greater than that of pre-galvanised steel sheets, ensuring superior protection even at incision points. It features high hardness and excellent bonding strength, providing exceptional scratch resistance and formability. This makes it ideal for a wide range of applications, such as exposed steel roofing and cladding, construction, home appliances, photovoltaics, and automotive parts. Its advanced properties deliver outstanding performance in both alkaline environments and applications demanding high corrosion resistance and superior forming capabilities.

Leading the Future:

Our Product Delivers Superior Results

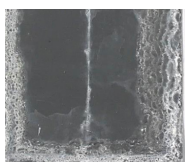
Products were tested by Orytech (Pty) Ltd, an ISO 9001:2015 certified laboratory specialising in independent coatings, corrosion, materials, and environmental consulting, testing, and field services.

M100

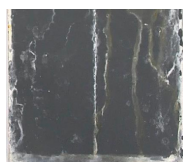


1680 hours of cyclic ageing testing

AZ100



Z200

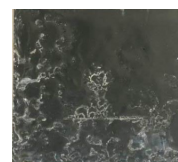


M100



1000 hours of neutral salt spray resistance testing

AZ100



Z200



M100



1440 hours of neutral salt spray resistance testing

AZ150



Z200

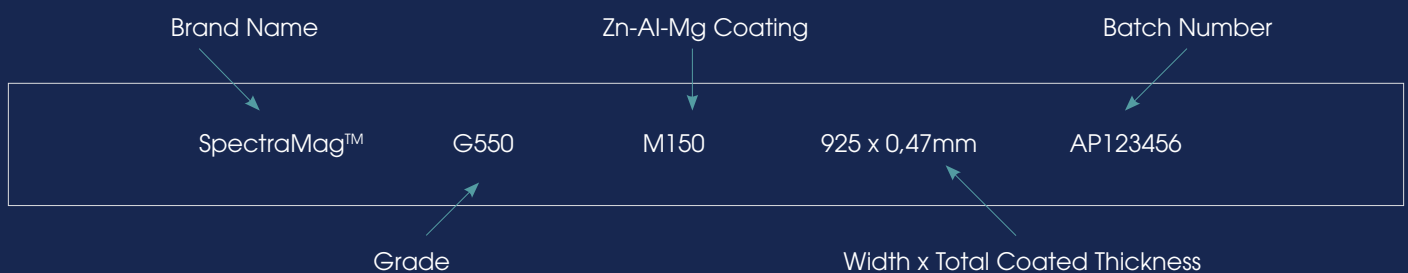


The SpectraMag™ initial testing was carried out using M100 as a benchmark. Although it significantly out-performed the traditional coating methods, SpectraMag™ will be going forward with a M150 coating layer as a standard for unparalleled corrosion resistance and longevity.

Securing Your Warranty: Steps to Success

As proud founders of the SpectraMag™ brand, we stand behind our product with a comprehensive warranty tailored to the installation location and product suitability. To facilitate the issuance of a warranty, please provide the installation location of the SpectraMag™ coil as well as the intended use of the building which it will cover. Your agent will give you feedback on the warranty that the area achieves as well as installation instructions to ensure that your structure is compliant.

Upon installing your SpectraMag™ sheeting, be sure to check the underside of the coil for the detail below, as this information identifies the SpectraMag™ product as genuine and is vital in assisting with any post installation queries. A brief post installation inspection is the final step in insuring that your warranty is valid and secure.



*For further information on obtaining a warranty, please contact your designated sales representative.

Achievable Warranties by Location

SpectraMag™ M150

Location	Rural	Urban/Countryside	Coastal/Industrial	Marine
Kilometres from the Ocean	>50km	6 to 50km	1 to 6km	0 to 1km
Corrosion Zone	C1	C2	C3	C4
Warranty offerings	15 Years	12 Years	10 Years	*Available on request

*Terms & Conditions apply to warranty



Contact Details

RSA

Head Office

Erf 24, Farm Waterval, M61, Kliprivier,
Gauteng 1871, South Africa.
Tel: +27 11 861 7600

Capetown

Business Park, Unit A07, Brakenrite,
Kruis Rd, Brackenfel, Cape Town 7560,
Tel: +27 21 879 4187

Exports

Erf 24, Farm Waterval, M61, Kliprivier,
Gauteng 1871, South Africa.
Tel: +27 11 861 7600

African Branches/ Franchises

DRC Lumbumbashi

11 Avenue Shangungu, Q. Industrial,
C/Kampemba, Lubumbashi, Haut-Katanga
Tel: +243 821 920 000

Zambia - Kitwe

Plot 1304, Chibuluma Road, Kitwe, Zambia.
Tel: +260 212 210 670 / 845

Zambia - Lusaka

Plot 5113/5114, Chr Lumumba Rd & Bambo Rd,
Light Industrial Area Lusaka, 1100, Zambia.
Tel: +260 211 223 625
Tel: +260 96 142 0176

Zimbabwe - Harare

37 Coventry Road, Workington, Harare,
Zimbabwe.
Tel: +263 8677 000 444

Zimbabwe - Bulawayo

4 Burton Road Belmont Bulawayo,
Zimbabwe
Tel: +263 8677 000 377

DRC Kolwezi

2191 Avenue Nord Katanga Quartier Biashara,
C/Dilala, Kolwezi, Lualaba, DRC
Tel: +24383 299 9000

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