



The next generation of Coated Steel
from Mabati Rolling Mills Limited





Technical Specifications

Mabati Rolling Mills Limited COLORPLUS® AZ100 and AZ150 (refer to product selection guide overleaf) Grade, G550 or G330.

Standards	Grades
A792M/A924M	G550
EAS410:2008	G330

Mechanical Properties	Guaranteed Minimum	
	G550	G330
Yield strength, MPa	550	330
Tensile strength, MPa	570	400
Elongation on 50mm GL%	2	15

Dimension

Base Metal Thickness (mm)	
Range	Tolerances
	Width ≤ 1220
≥0.3	±0.03
≥0.4	±0.04
≥0.5	±0.05
≥0.6	±0.03
≥0.7	±0.04
≥0.8	±0.04

*Restricted thickness tolerance is subject to negotiation

Branding

All coils are branded to allow for full traceability. Example of product identification (underside of sheet):

MABATI ROLLING MILLS RESINCOT COLORPLUS 925 X 0.5 TCT G550 AZ150 45107-1-1-1

Colour Fading and Physical Parameters

Colour	Maximum Fading ΔE CIELab (Cleaned) ASTM 2244	Gloss % (Within 15 years)	Maximum Chalking (Tape off Test) ISO 4628-6	Physical Parameters (Within 15 years)
Light colours (L ≥ 60)	≤ 4	> 50	2 (10 years)	No Peel, Crack, Chip
Dark Colours (L < 60)	≤ 7	> 60	2 (10 years)	No Peel, Crack, Chip

*Result may change depending on climate conditions

*Warranties available upon pre-application

Coating Weight*

Coating Class	Minimum (g/m ²)	AZ coating Thickness/microns
AZ100	85	23
AZ150	130	35

*Triple spot testing

Paint Line Tested Properties of Top Coat

Property	Measured by	Result
Hardness	Pencil	Min 2H
Adhesion	Reverse Impact	≥ 10 Joule
	T - Bend	Maximum 2 T
Specular Gloss	60° meter	40 ± 5 units

Coil width (mm)

Range	Tolerance
925 - 1220	+5 / -0

Supply Conditions

Typical micron coverage (paint coating)	
AZ100 and AZ150	20 + 2µm top coat
	5 ± 1µm corrosion inhibitive primer
	8 ± 1µm backing coat - light grey

*for applications in severe coastal conditions, we recommend
COLORPLUS® Dura AZ200 (supplied ex Safal Steel)



Colour Options

COLORPLUS® is a factory pre-painted product, with colour applied over a ZincAL substrate, offering all the advantages of ZincAL with the option of colour for added aesthetic appeal.

The ColorPlus paint system has been carefully selected to endure the harsh African climate, and resist dirt or contaminant retention, so that the surface stays clean and the colour is fresh looking for as long as possible.

COLORPLUS® is available in the following standard colours:



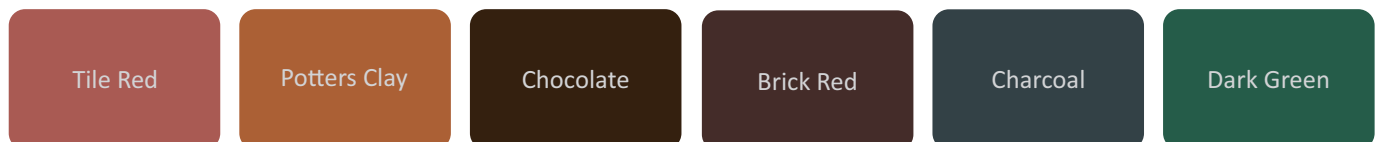
Non-standard colours are available at the discretion of the mill, with minimum order quantities and extended lead times.



Colour Options

COLORPLUS TEXTURED® is a double-coat textured-finish paint system applied to a Zincol® substrate (Aluminium-Zinc coated sheet).

COLORPLUS TEXTURED® is available in the following standard colours:



Non-standard colours are available at the discretion of the mill, with minimum order quantities and extended lead times.