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This literature supersedes all previous issues

GENERAL DESCRIPTION

ZACS™ RW G550 - hot dipped aluminium/zinc alloy-coated structural steel with a spangled surface and guaranteed minimum yield strength of 550 MPa with limited ductility. It is a low cost system which the coating around 70-100 g/m². Suitable for roll-forming to a minimum internal radius of 5t.

TYPICAL USES

Roll-forming decking and walling

DIMENSIONS : (For normal supply product)**Preferred thickness, mm**

0.35 - 0.55

Width range, mm

914 , 940

MECHANICAL PROPERTIES

Steel Base	Guaranteed (0.42 mm) (≥0.60 mm)		Typical*(G550) (0.42 mm thick)
Longitudinal tensile			
Yield strength, MPa	-	-	680-740
Tensile strength, MPa	≥550	≥550	680-780
Elong on 80 mm, %	-	≥2	1-6
Hardness, HR30T	-	-	75-78
180° transverse bend (L axis)			-

CHEMICAL COMPOSITION

Guaranteed Maximum, %	
Carbon (C)	0.20
Phosphorus (P)	0.04
Manganese (Mn)	1.20
Sulphur (S)	0.03

SUPPLY CONDITION

	Normal	Optional #
Coating class	AZ70, AZ100	-
Surface condition	Spangled	-
Surface treatment	Passivated/Resin coated	-
Tolerance class		
Thickness	AT	-
Width	AW	BW
Length	AL	BL
Flatness	AF	-
Oiling	Not oiled	-
Branding	Branded	Not branded

Optional supply conditions and coating classes may be subject to dimensional restriction.

Note : Customers should use product promptly to avoid the possibility of storage related corrosion.

FABRICATION PERFORMANCE

1 = Limited to 5 = excellent
NR - Not recommend

Bending	1
Drawing	NR
Pressing	NR
Roll-forming (5t min. internal radius)	3
Welding (design must allow for some strength reduction near welds)	5
Painting (pretreatment)	5

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**BHP Steel - Thailand**

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