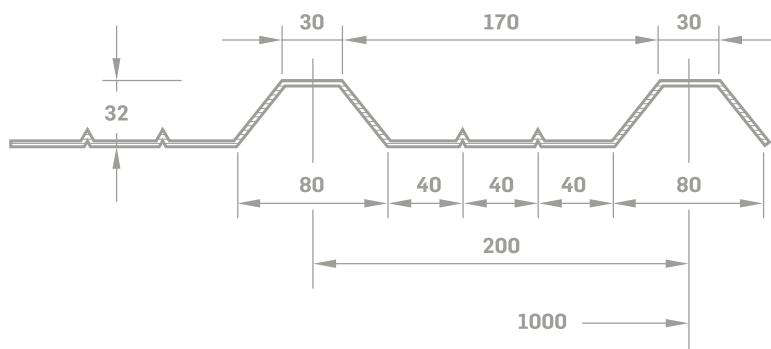


TRAPEZOIDAL SHEET

Trapezoidal sheet is a profiled metal product that can come in different surface protection schemes - galvanized steel (EN 10346) or pre-painted (EN 10169) - available in different colors.

The shapes are obtained through a cold-forming process, which creates the desired final shape.

It is a product that stands out for its ease of assembly, lightness, and aesthetics and is a reliable and economical solution for the coating of simple or isolated roofs and/or facades. It is also used in countless applications in industry and civil construction.



DIMENSIONAL PROPERTIES

Trapezoidal sheet

Reference	Steel	Coating mass	Width (mm)	Length (mm)	Thickness (mm)	Linear mass (kg/m)	Yield resistance unit (cm ³)
Trapezoidal	DX51D	Z200	1100 ± 5	2000 ⁺¹⁵ to 8000 ⁺¹⁵	0,40	4,91	3,56
					0,50	5,89	4,50
					0,60		
	DX51D	Colored org. coating	1100 ± 5	2000 ⁺¹⁵ to 8000 ⁺¹⁵	0,80		
					0,50		

STEEL GRADES

Steel grade	Coating type	Chemical properties									Coating Symbols	Mechanical properties		
		Nominal thicknesses % by mass										R _e (MPa)	R _m (MPa)	A ₈₀ min. %
		C %	Si %	Mn %	P %	S %	Ti %	Al _{total} %	Nb %					
		máx.	máx.	máx.	máx.	máx.	máx. ^{a)}	mín.	máx.					
DX51D	+Z;+ZF;+ZA;+ZM;+AZ;+AS	0,18	0,50	1,20	0,12	0,045	0,30	-	-	+Z;+ZF;+ZA;+ZM;+AZ;+AS	-	270-500	22	
DX52D	+Z;+ZF;+ZA;+ZM;+AZ;+AS	0,12	0,50	0,60	0,10	0,045	0,30	-	-	+Z;+ZF;+ZA;+ZM;+AZ;+AS	140-300	270-420	26	
											R _{p0.2} min.	R _m min.	A ₈₀ min.	
S250GD	+Z;+ZF;+ZA;+ZM;+AZ;+AS	0,20	0,60	1,70	0,10	0,045	-	-	-	+Z;+ZF;+ZA;+ZM;+AZ;+AS	250	330	19	
S280GD	+Z;+ZF;+ZA;+ZM;+AZ;+AS	0,20	0,60	1,70	0,10	0,045	-	-	-	+Z;+ZF;+ZA;+ZM;+AZ;+AS	280	360	18	
S350GD	+Z;+ZF;+ZA;+ZM;+AZ;+AS	0,20	0,60	1,70	0,10	0,045	-	-	-	+Z;+ZF;+ZA;+ZM;+AZ;+AS	350	420	16	

^{a)} By agreement upon inquiry and ordering, the Ti content for the steel grades mentioned in this table can be reduced to <0.05%, meaning that the steel grade is unalloyed.

SUPPLY CONDITIONS

PACKAGING

The material is available in arcs/coils, strapped with steel bands.

LABELING

Each arc/coil is supplied with a label, ensuring proper identification of the product and its traceability.

CERTIFICATE

On shipment, all orders are accompanied by the respective inspection certificate according to EN 10204, in accordance with the product's applicable standard.

SUPPLY OPTIONS

SPECIAL TOLERANCES

THICKNESS, LENGTH AND WIDTH:

This product is supplied with thickness, width, and length tolerances in accordance with the applicable standard. Special tolerances may be available upon request. Edge trimming possible.

STEEL GRADES:

The possibility of supplying other steel grades not mentioned above can be evaluated upon request.

WRAPPING AND PACKAGING

The bundles can be configured according to the client's specifications, as requested at the time of the inquiry/order. Possibility of using packaging with anticorrosion protection (VCI).

COATINGS AND SURFACE TREATMENTS

The products are supplied in accordance with the applicable standards, with the possibility of additional treatments/coatings as previously requested at the time of the inquiry/order, under the customer's responsibility.

LABORATORY TESTS

Possibility of requesting specific laboratory tests, not foreseen in the applicable standard (anisotropy, salt fog, metallography, thickness elongation, among others).

APPLICATION AREAS



CONSTRUCTION



ENGINEERING
AND ARCHITECTURE