

TA-Steel

Galvanized steel | DX51 D+AZ 185 SLV

Product Datasheet

Designations

DIN EN 10215/10143

Chemical composition

	C (%)	Mn (%)	S (%)	Si (%)	Al (%)	Nb (%)	Ti (%)
DX51D + AZ	≤ 0,180	≤ 1,200	≤ 0,045	≤ 0,50	-	-	≤ 0,300

Physical features

Edge protection	Industrial environments	Adhesion to fold	Hardness on the cross section
Very good	0.30 µm/Year	1 T	140 HV 100 HV for HFX grade

Surface protection

Salt spray test, resistance to corrosion (ISO 7253/DIN 50021)	50 hours/µm
Outdoor exposure, resistance to corrosion (marine environment)	0.60 µm/year

Heat transfer	Resistance to the Tmax temperature	Fire resistance
65 Watts/m ²	315°C	According to European Standards (EN 13501-1) A1

Mechanische Eigenschaften | Mechanical features

Thickness (mm)	Re (MPa)	Rm	A80 (%)	Bending ratio (th)	Tensile strength R _m	Elongation at break
0,2 - 0,5	-	270- 500	≥ 18	-	270 - 500	22
0,5 - 0,7			≥ 20			
0,7 - 2,00			≥ 22			

Disclaimer

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It is the responsibility of the user to independently check the suitability of the product for the respective application before use.

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