

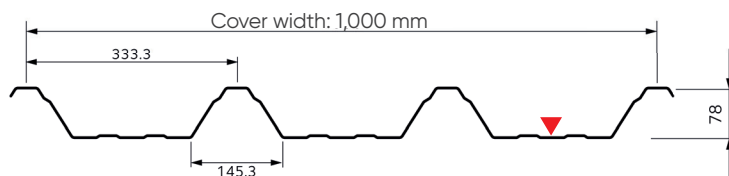
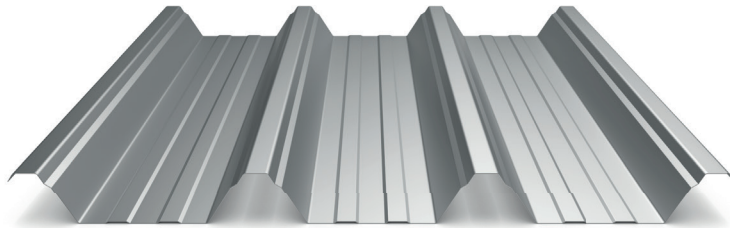
Trapeza® 3.333.79T



ArcelorMittal

Trapezoidal roofing profiled sheet

Haironville (FR)



Profile length:
Minimum 1,800 mm / Maximum 18,000 mm

Characteristics

		THICKNESS (mm)								
		0.63	0.75	0.88	1.00	1.25				
According to PV Véritas N° DLC/L7 85 338 et Socotec N° CM 7248		Surface mass (kg/m²)	6.43	7.65	8.98	10.20	12.76			
Action of descending loads	Moments of inertia (cm⁴/ml)	Single span	I2	61.45	100.1	117.5	133.5	166.9		
		Two equal spans	I3	51.81	74.63	87.57	99.51	124.3		
		Continuity	Im	56.63	87.39	102.5	116.5	145.6		
	Bending moment (m.kN/ml)	In span	Elastic system	Md2T	2.99	3.98	4.67	5.31	6.64	
			Elasto-plastic system	Md3T	2.98	4.28	5.02	5.70	7.13	
		Supported		Md3A	2.54	3.44	4.04	4.59	5.74	
Under concentrated load			Mc	2.05	2.75	3.23	3.67	4.58		
Support reaction (kN/ml)		Rd	7.34	10.99	12.89	14.65	18.31			
Action of ascending loads	Complete fixing at the top of the rib	Bending moment (m.kN/ml)	In span	Elastic system	Ma2T	2.54	3.41	4.00	4.55	5.68
			Elasto-plastic system	Ma3T	2.26	3.55	4.17	4.73	5.92	
		Supported	Ma3A	1.92	2.56	3.00	3.41	4.26		
	Breakout force at the support (kN/ml)		Sa	5.04	5.04	5.91	6.71	8.39		
	Reduced fixing at the top of the rib	Bending moment (m.kN/ml)	In span	Elastic system	Ma2T	1.70	2.27	2.67	3.03	5.68
			Elasto-plastic system	Ma3T	2.22	2.41	2.83	3.21	5.92	
Supported		Ma3A	1.49	1.75	2.05	2.33	4.26			
Breakout force at the support (kN/ml)		Sa	4.71	4.71	5.52	6.28	17.57			

Useful spans under the action of climatic loads for equal spans

Trapeza® 3.333.79T	Variable load unweighted (kN/m²)	2 SUPPORTS					3 SUPPORTS					4 SUPPORTS					
		0.63	0.75	0.88	1.00	1.25	0.63	0.75	0.88	1.00	1.25	0.63	0.75	0.88	1.00	1.25	
Descending loads	0.45	4.45	5.10	5.50	5.80	6.40	4.45	5.30	5.65	6.00	6.65	4.45	5.30	5.65	6.00	6.00	
	0.55	4.45	5.10	5.50	5.70	6.10	4.45	5.30	5.65	6.00	6.65	4.45	5.30	5.65	6.00	6.00	
	0.65	4.45	5.10	5.50	5.70	6.10	4.45	5.30	5.65	6.00	6.65	4.45	5.30	5.65	6.00	6.00	
	0.75	4.10	4.80	5.00	5.20	5.55	4.45	5.30	5.65	6.00	6.65	4.45	5.30	5.65	6.00	6.00	
	0.90	3.85	4.50	4.75	4.95	5.30	4.10	4.85	5.20	5.55	6.15	4.10	4.85	5.25	5.55	6.00	
	1.00	3.75	4.35	4.60	4.80	5.10	3.90	4.60	5.00	5.30	5.85	3.90	4.60	5.00	5.30	5.85	
	1.25	3.50	4.00	4.30	4.45	4.80	3.50	4.15	4.50	4.75	5.30	3.50	4.15	4.50	4.75	5.30	
	1.50	3.15	3.70	3.95	4.20	4.55	3.15	3.80	4.10	4.35	4.85	3.20	3.80	4.10	4.35	4.85	
	1.75	2.70	3.40	3.70	3.90	4.30	2.70	3.55	3.80	4.05	4.55	2.95	3.55	3.80	4.05	4.55	
	2.00	2.40	3.20	3.45	3.70	4.10	2.35	3.30	3.60	3.80	4.25	2.60	3.30	3.60	3.80	4.25	
2.25	2.10	3.05	3.25	3.50	3.90	2.10	3.15	3.40	3.60	4.00	2.30	3.15	3.40	3.60	4.00		
2.50	1.90	2.85	3.10	3.30	3.70	1.90	2.85	3.20	3.45	3.80	2.10	3.00	3.20	3.45	3.80		
Ascending loads	Complete fixing at the top of the rib	0.50	4.45	5.10	5.50	5.80	6.40	4.45	5.30	5.65	6.00	6.65	4.45	5.30	5.65	6.00	6.00
		0.75	4.40	4.80	5.50	5.80	6.40	4.15	4.90	5.45	5.85	6.60	4.15	5.20	5.65	6.00	6.00
		1.00	3.50	3.55	4.20	4.80	5.75	3.55	3.60	4.25	4.90	5.60	3.55	3.90	4.65	5.20	5.85
		1.25	2.80	2.80	3.30	3.80	4.80	2.80	2.85	3.35	3.85	4.85	3.05	3.10	3.65	4.20	5.20
		1.50	2.30	2.30	2.75	3.10	3.95	2.30	2.35	2.75	3.15	4.00	2.55	2.55	3.00	3.45	4.35
	2.00	1.70	1.70	2.05	2.30	2.90	1.70	1.75	2.05	2.35	2.95	1.90	1.90	2.25	2.55	3.20	
	Reduced fixing at the top of the rib	0.50						4.45	5.15	5.65	6.00	6.65	4.45	5.30	5.65	6.00	6.00
		0.75						3.80	4.10	4.50	4.85	5.50	3.85	4.30	4.65	5.00	5.65
		1.00						2.85	3.35	3.85	4.10	4.65	2.85	3.65	4.00	4.30	4.85
		1.25						2.25	2.65	3.15	3.60	4.10	2.25	2.90	3.40	3.80	4.30
1.50							1.85	2.20	2.60	2.95	3.75	1.85	2.40	2.80	3.25	3.90	
2.00						1.40	1.60	1.90	2.20	2.75	1.40	1.75	2.10	2.40	3.00		

Span table according to French norms