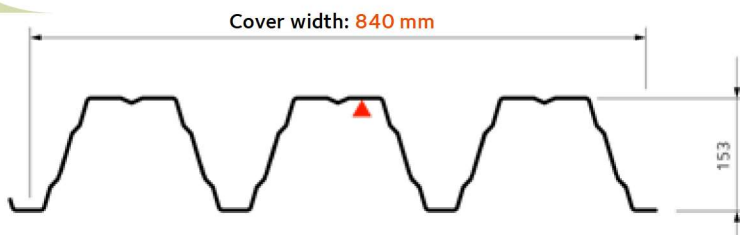


Roof Decking Hacierco® 153S



ArcelorMittal



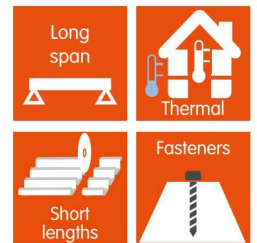
Length of profile: Minimum 1800 mm / Maximum 24,000 mm

Trough opening: 161 mm

Troughs: 41 mm

Minimum width of support: 60 mm

Span optimisation: All of our application tables are also available for support widths of 160 mm. Please contact us!



Experimental features

		Thickness (mm)					
		0.75	0.88	1.00	1.25		
Effects of downward loads	Surface weight (kg/m ²)	10.51	12.34	14.02	17.52		
	Moment of inertia (cm ⁴ /lm)	Single span I2	397.36	466.23	529.81	662.26	
		Two equal spans I3	289.91	340.16	386.55	483.18	
		Continuity Im	343.63	403.20	458.18	572.72	
	Moment of flexion (m.daN/lm)	By the span	Elastic system M2T	1,380.71	1,620.04	1,840.95	2,301.19
			Elasto-plastic system M3T	1,332.33	1,563.27	1,776.44	2,220.55
On support M3A		895.60	1,050.84	1,194.13	1,492.66		
Under concentrated load Mc		695.72	816.31	927.62	1,159.53		
Effects of upward loads	Moment of inertia (cm ⁴ /lm)	Single span I2	308.77	362.3	411.4	514.62	
		Two equal spans I3	309.63	363.3	412.84	516.05	
		Continuity Im	309.20	362.80	412.27	515.34	
	Moment of flexion (m.daN/lm)	By the span	Elastic system M2T	1,001.82	1,175.46	1,335.75	1,669.69
			Elasto-plastic system M3T	1,291.17	1,514.97	1,721.56	2,151.95
		On support M3A	1,250.92	1,467.74	1,667.89	2,084.86	

Application table for equal spans with loads expressed in daN/m²

Hacierco® 153S - According to report currently being edited

	Operating loads	Permanent loads	2 supports				3 supports				4 supports			
			0.75	0.88	1.00	1.25	0.75	0.88	1.00	1.25	0.75	0.88	1.00	1.25
Pressure	100	10	6.00	6.30	6.60	7.10	7.05	7.55	8.00	8.65	7.10	7.50	7.80	8.00
	100	20	6.00	6.30	6.60	7.10	6.75	7.30	7.70	8.50	7.10	7.50	7.80	8.00
	100	25	6.00	6.30	6.60	7.10	6.65	7.15	7.55	8.35	7.10	7.50	7.80	8.00
	100	30	6.00	6.30	6.60	7.10	6.50	7.00	7.45	8.20	7.05	7.50	7.80	8.00
	100	35	6.00	6.30	6.60	7.05	6.40	6.90	7.30	8.10	6.95	7.45	7.80	8.00
	100	150	5.00	5.25	5.45	5.85	4.70	5.10	5.40	6.00	5.10	5.50	5.85	6.50
	110	25	5.85	6.10	6.40	6.85	6.40	6.90	7.30	8.10	6.85	7.25	7.55	8.00
	110	100	5.25	5.55	5.75	6.20	5.15	5.55	5.85	6.60	5.55	6.00	7.80	8.00
	125	25	5.65	5.90	6.10	6.60	6.00	6.55	6.95	7.70	6.50	6.95	7.25	7.80
	150	25	5.40	5.65	5.80	6.20	5.60	6.05	6.50	7.20	6.05	6.50	6.80	7.35
Suction	175	25	5.20	5.40	5.60	5.90	5.25	5.65	6.00	6.75	5.65	6.10	6.45	6.95
	200	25	5.05	5.25	5.40	5.70	4.95	5.35	5.70	6.40	5.35	5.80	6.15	6.65
	≤ 100	≤ 25	6.00	6.30	6.60	7.10	7.05	7.55	8.00	8.65	7.10	7.50	7.80	8.00
	125	10	6.00	6.30	6.60	7.10	7.05	7.55	8.00	8.65	7.10	7.50	7.80	25.00
	125	25	6.00	6.30	6.60	7.10	7.05	7.55	8.00	8.65	7.10	7.50	7.80	8.00
	150	10	5.70	6.00	6.25	6.75	6.55	7.10	7.60	8.55	6.95	7.45	7.80	8.00
	150	25	5.70	6.00	6.25	6.75	6.75	7.35	7.85	8.65	7.10	7.45	7.80	8.00
	175	10	5.30	5.70	5.95	6.40	5.65	6.55	7.00	7.85	5.90	6.95	7.40	8.00
	175	25	5.40	5.70	5.95	6.40	5.95	6.70	7.20	8.05	6.25	7.10	7.40	8.00
	200	10	4.95	5.35	5.70	6.15	4.90	5.80	6.50	7.30	5.15	6.05	6.90	7.65
200	25	5.05	5.45	5.70	6.15	5.15	6.05	6.65	7.50	5.35	6.35	7.10	7.65	