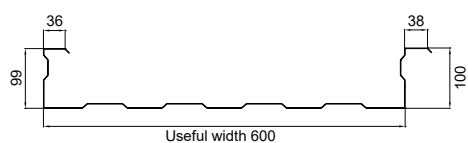
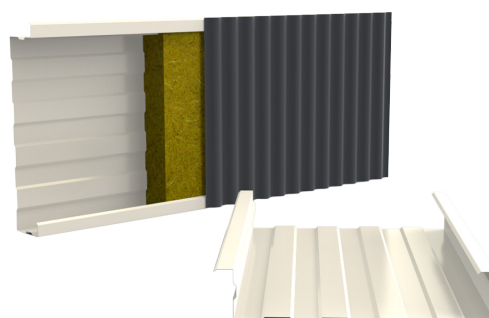


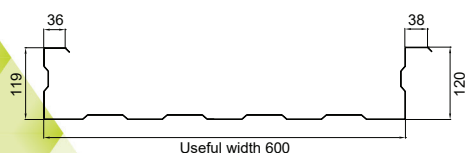


Structural liner trays - technical characteristics

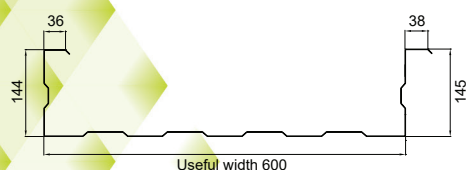
	500x90	600x
Material	Pre-painted steel sheet	
Available thickness (mm)	0.75	0.75 0.88 1
Steel class	S 320 GD	
Minimum zinc coverage (g/m ²)	100	
Exterior paint coating (μm)*	Glossy 15 - RAL 9002	
Total width (mm)	500 600	
Weight (kg/m ²)	8.8	9 - 13
Minimum length (mm)	100	
Maximum length - recommended (mm)	13500	
Corrugation height (mm)	90	100 120 145



Section of the 600x100 liner tray

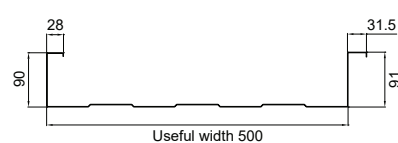


Section of the 600x120 liner tray



Section of the 600x145 liner tray

The values in sections are expressed in mm.



Section of the 500x90 liner tray

- Aesthetic
- Lightweight
- Adaptable
- Easy fitting
- Extended lifespan
- Sustainable

Weights

Thickness (mm)	Mass (kg/m)	Useful length (m)	Mass (kg/m ²)	M _d -pos (Nm/m)	M _d -neg (Nm/m)	I _{eff} -pos (mm ⁴ /mm)	I _{eff} -neg (mm ⁴ /mm)
0.75	4.44	0.5	8.88	242	297	1382	1862

Bearing distance for different loads (m)

Load (kg/m ²)	Thickness (mm)	Simple span	Double span	Multiple span
				
40	0.75	5.6	6.8	7.1
60	0.75	4.9	6.3	6.2
80	0.75	4.4	5.4	5.6
100	0.75	4.1	4.9	5.2
150	0.75	3.6	4	4.5

Maximum load q (kN/m²) at the opening between supports L (m) - Simple span

Thickness (mm)	Weight (kg/m ²)		2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.75	9.00	1	2.59	2.01	1.41	0.92	0.69	0.58	0.46	0.38	0.33	0.26	0.21	0.18	0.16
		2	2.59	2.01	1.41	0.87	0.61	0.46	0.36	0.25	0.19	0.16	0.12	0.10	0.08
		3	2.59	1.69	1.11	0.62	0.74	0.39	0.23	0.17	0.12	0.11	0.09	0.07	0.06
0.88	10.56	1	3.77	2.42	1.73	1.21	1.10	0.91	0.67	0.58	0.47	0.36	0.30	0.26	0.24
		2	3.77	2.42	1.73	1.64	0.85	0.67	0.48	0.39	0.28	0.23	0.17	0.13	0.11
		3	3.98	2.61	1.37	0.82	0.68	0.52	0.30	0.24	0.17	0.15	0.12	0.10	0.08
1.00	12.00	1	3.92	3.26	2.36	1.67	1.35	1.14	0.86	0.73	0.66	0.57	0.47	0.40	0.34
		2	3.92	3.26	2.36	1.54	1.12	0.89	0.64	0.51	0.36	0.27	0.21	0.17	0.14
		3	3.96	3.12	1.91	1.08	0.86	0.57	0.43	0.32	0.26	0.20	0.16	0.13	0.10

Maximum load q (kN/m²) at the opening between supports L (m) - Double span

Thickness (mm)	Weight (kg/m ²)		2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.75	9.00	1	2.23	1.61	1.29	1.06	0.89	0.76	0.66	0.57	0.59	0.55	0.49	0.45	0.39
		2	2.23	1.61	1.29	1.06	0.89	0.76	0.66	0.57	0.48	0.55	0.45	0.39	0.35
		3	2.23	1.61	1.29	1.06	0.89	0.76	0.60	0.46	0.36	0.42	0.35	0.31	0.23
0.88	10.56	1	2.55	2.06	1.65	1.35	1.13	0.96	0.83	0.72	0.63	0.57	0.52	0.47	0.40
		2	2.55	2.06	1.65	1.35	1.13	0.96	0.83	0.72	0.63	0.57	0.52	0.47	0.40
		3	2.55	2.06	1.65	1.35	1.13	0.96	0.81	0.61	0.47	0.44	0.39	0.33	0.27
1.00	12.00	1	3.15	2.54	2.03	1.66	1.38	1.17	1.01	0.88	0.73	0.68	0.60	0.53	0.47
		2	3.15	2.54	2.03	1.66	1.38	1.17	1.01	0.88	0.73	0.68	0.60	0.53	0.47
		3	3.15	2.54	2.03	1.66	1.38	1.17	1.00	0.75	0.62	0.56	0.47	0.41	0.32

Maximum load q (kN/m²) at the opening between supports L (m) - Triple span

Thickness (mm)	Weight (kg/m ²)		2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.75	9.00	1	2.80	1.89	1.53	1.26	1.15	0.94	0.79	0.74	0.65	0.55	0.57	0.49	0.44
		2	2.80	1.89	1.53	1.26	1.15	0.94	0.79	0.74	0.65	0.55	0.57	0.49	0.44
		3	2.80	1.89	1.53	1.26	1.15	0.94	0.79	0.74	0.65	0.54	0.56	0.44	0.41
0.88	10.56	1	3.25	2.44	1.96	1.61	1.32	1.12	0.97	0.86	0.73	0.67	0.61	0.56	0.51
		2	3.25	2.44	1.96	1.61	1.32	1.12	0.97	0.86	0.73	0.67	0.61	0.56	0.51
		3	3.25	2.44	1.96	1.61	1.32	1.12	0.97	0.86	0.73	0.66	0.68	0.51	0.48
1.00	12.00	1	3.97	3.01	2.41	1.98	1.52	1.33	1.18	0.98	0.87	0.74	0.69	0.62	0.47
		2	3.97	3.01	2.41	1.98	1.52	1.33	1.18	0.98	0.87	0.74	0.69	0.62	0.47
		3	3.97	3.01	2.41	1.98	1.52	1.33	1.18	0.98	0.87	0.74	0.65	0.59	0.50

Maximum load q (kN/m²) at the opening between supports L (m) - Simple span

Thickness (mm)	Weight (kg/m ²)		2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.75	9.50	1	3.28	2.29	1.69	1.31	1.04	0.93	0.64	0.56	0.49	0.40	0.34	0.30	0.26
		2	3.28	2.29	1.69	1.31	1.04	0.93	0.64	0.56	0.49	0.42	0.34	0.30	0.23
		3	3.28	2.29	1.69	1.31	1.04	0.93	0.64	0.51	0.42	0.33	0.27	0.22	0.18
0.88	11.15	1	4.04	2.84	2.12	1.63	1.22	1.07	0.78	0.70	0.57	0.50	0.43	0.38	0.33
		2	4.04	2.84	2.12	1.63	1.22	1.07	0.78	0.70	0.57	0.50	0.45	0.37	0.31
		3	4.04	2.84	2.12	1.63	1.22	1.07	0.78	0.67	0.53	0.42	0.34	0.28	0.23
1.00	12.67	1	4.83	3.41	2.45	1.94	1.54	1.21	0.96	0.82	0.72	0.60	0.52	0.46	0.42
		2	4.83	3.41	2.45	1.94	1.54	1.21	0.96	0.82	0.72	0.60	0.52	0.44	0.40
		3	4.83	3.41	2.45	1.94	1.54	1.21	0.96	0.80	0.61	0.51	0.41	0.34	0.28

Maximum load q (kN/m²) at the opening between supports L (m) - Double span

Thickness (mm)	Weight (kg/m ²)		2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.75	9.50	1	2.56	2.03	1.51	1.23	0.98	0.83	0.74	0.56	0.42	0.38	0.29	0.26	0.22
		2	2.56	2.03	1.51	1.23	0.98	0.83	0.74	0.56	0.42	0.38	0.29	0.26	0.22
		3	2.56	2.03	1.51	1.23	0.98	0.83	0.74	0.56	0.42	0.38	0.29	0.26	0.22
0.88	11.15	1	3.37	2.41	1.93	1.57	1.21	1.04	0.92	0.73	0.59	0.51	0.39	0.34	0.30
		2	3.37	2.41	1.93	1.57	1.21	1.04	0.92	0.73	0.59	0.51	0.39	0.34	0.30
		3	3.37	2.41	1.93	1.57	1.21	1.04	0.92	0.73	0.59	0.51	0.39	0.34	0.30
1.00	12.67	1	4.17	3.10	2.41	1.88	1.51	1.29	1.08	0.96	0.72	0.64	0.48	0.42	0.37
		2	4.17	3.10	2.41	1.88	1.51	1.29	1.08	0.96	0.72	0.64	0.48	0.42	0.37
		3	4.17	3.10	2.41	1.88	1.51	1.29	1.08	0.96	0.72	0.64	0.48	0.42	0.37

Maximum load q (kN/m²) at the opening between supports L (m) - Triple span

Thickness (mm)	Weight (kg/m ²)		2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.75	9.50	1	2.98	2.25	1.73	1.42	1.19	1.06	0.89	0.78	0.69	0.61	0.56	0.49	0.42
		2	2.98	2.25	1.73	1.42	1.19	1.06	0.89	0.78	0.69	0.61	0.56	0.49	0.42
		3	2.98	2.25	1.73	1.42	1.19	1.06	0.89	0.78	0.69	0.61	0.56	0.49	0.42
0.88	11.15	1	3.87	2.91	2.25	1.86	1.51	1.31	1.18	0.95	0.84	0.76	0.69	0.61	0.56
		2	3.87	2.91	2.25	1.86	1.51	1.31	1.18	0.95	0.84	0.76	0.69	0.61	0.56
		3	3.87	2.91	2.25	1.86	1.51	1.31	1.18	0.95	0.84	0.76	0.69	0.61	0.56
1.00	12.67	1	4.81	3.55	2.79	2.25	1.83	1.54	1.32	1.13	1.05	0.88	0.78	0.71	0.65
		2	4.81	3.55	2.79	2.25	1.83	1.54	1.32	1.13	1.05	0.88	0.78	0.71	0.65
		3	4.81	3.55	2.79	2.25	1.83	1.54	1.32	1.13	1.05	0.88	0.78	0.71	0.65

Maximum load q (kN/m²) at the opening between supports L (m) - Simple span

Thickness (mm)	Weight (kg/m ²)		2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.75	10.00	1	3.54	2.45	1.80	1.37	1.08	0.87	0.71	0.60	0.50	0.43	0.37	0.32	0.28
		2	3.54	2.45	1.80	1.37	1.08	0.87	0.71	0.60	0.50	0.43	0.37	0.32	0.28
		3	3.54	2.45	1.80	1.37	1.08	0.87	0.71	0.60	0.49	0.39	0.31	0.26	0.21
0.88	11.73	1	4.47	3.06	2.24	1.71	1.35	1.09	0.89	0.75	0.63	0.54	0.47	0.41	0.36
		2	4.47	3.06	2.24	1.71	1.35	1.09	0.89	0.75	0.63	0.54	0.47	0.41	0.36
		3	4.47	3.06	2.24	1.71	1.35	1.09	0.89	0.75	0.61	0.49	0.40	0.33	0.27
1.00	13.33	1	5.30	3.68	2.70	2.06	1.62	1.31	1.08	0.90	0.77	0.66	0.57	0.50	0.44
		2	5.30	3.68	2.70	2.06	1.62	1.31	1.08	0.90	0.77	0.66	0.57	0.50	0.44
		3	5.30	3.68	2.70	2.06	1.62	1.31	1.08	0.90	0.74	0.59	0.48	0.40	0.33

Maximum load q (kN/m²) at the opening between supports L (m) - Double span

Thickness (mm)	Weight (kg/m ²)		2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.75	10.00	1	2.61	1.96	1.52	1.25	1.03	0.86	0.72	0.63	0.56	0.47	0.42	0.39	0.34
		2	2.61	1.96	1.52	1.25	1.03	0.86	0.72	0.63	0.56	0.47	0.42	0.39	0.34
		3	2.61	1.96	1.52	1.25	1.03	0.86	0.72	0.63	0.56	0.47	0.42	0.39	0.34
0.88	11.73	1	3.75	2.46	1.89	1.62	1.32	1.13	0.98	0.83	0.79	0.66	0.60	0.56	0.49
		2	3.75	2.46	1.89	1.62	1.32	1.13	0.98	0.83	0.79	0.66	0.60	0.56	0.49
		3	3.75	2.46	1.89	1.62	1.32	1.13	0.98	0.83	0.79	0.66	0.60	0.56	0.49
1.00	13.33	1	3.14	2.97	2.32	1.89	1.55	1.33	1.17	0.90	0.87	0.81	0.74	0.69	0.59
		2	3.14	2.97	2.32	1.89	1.55	1.33	1.17	0.90	0.87	0.81	0.74	0.69	0.59
		3	3.14	2.97	2.32	1.89	1.55	1.33	1.17	0.90	0.87	0.81	0.74	0.69	0.59

Maximum load q (kN/m²) at the opening between supports L (m) - Triple span

Thickness (mm)	Weight (kg/m ²)		2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5
0.75	10.00	1	3.10	2.31	1.84	1.50	1.25	1.03	0.91	0.83	0.75	0.62	0.57	0.52	0.47
		2	3.10	2.31	1.84	1.50	1.25	1.03	0.91	0.83	0.75	0.62	0.57	0.52	0.47
		3	3.10	2.31	1.84	1.50	1.25	1.03	0.91	0.83	0.75	0.62	0.57	0.52	0.47
0.88	11.73	1	4.19	3.20	2.51	2.03	1.73	1.47	1.24	1.08	0.96	0.87	0.76	0.70	0.65
		2	4.19	3.20	2.51	2.03	1.73	1.47	1.24	1.08	0.96	0.87	0.76	0.70	0.65
		3	4.19	3.20	2.51	2.03	1.73	1.47	1.24	1.08	0.96	0.87	0.76	0.70	0.65
1.00	13.33	1	5.12	3.93	3.05	2.56	2.04	1.72	1.48	1.31	1.15	0.96	0.90	0.81	0.72
		2	5.12	3.93	3.05	2.56	2.04	1.72	1.48	1.31	1.15	0.96	0.90	0.81	0.72
		3	5.12	3.93	3.05	2.56	2.04	1.72	1.48	1.31	1.15	0.96	0.90	0.81	0.72

Above spreadsheets show the following values:

For dimensioning at maximum resistance and stability limit (SLU), two calculation situations are considered:

- pressure of the wind load;
- suction caused by wind load.

For the width of the boxes on intermediate trusses, two options are considered:

- b > 300 mm (specific applications for concrete structures);
- b > 160 mm (specific applications for metal structures).