

Base material

Structural Steel S220GD+Z (EN10346) Other steel grades on request

Type of protection

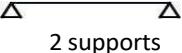
Galvanized (EN10346)


Coating


Polyester Upper Side (25 µm) and Primary Lower Side (5/7 µm) Other steel grades on request

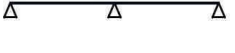
Thickness	Mass		Compression upper flange		Lower flange in compression	
			Moment of Inertia I	Sturdy module W	Moment of Inertia I	Sturdy module W
mm	kg/ml	kg/m ²	cm ⁴	cm ³	cm ⁴	cm ³
0.5	4.91	4.42	0.81	1.28	1.01	1.25
0.6	5.89	5.30	1.05	1.57	1.28	1.62
0.7	6.87	6.19	1.29	1.87	1.53	1.95

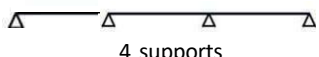
LOADS AS A FUNCTION OF SUPPORT SPAN


Thickness	DISTANCE IN COVER POSITION (m)															
	 2 supports															
(mm)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
0.5	6,51	3,77	2,37	1,59	1,12	0,81	0,61									
0.6	8,27	4,78	3,01	2,02	1,42	1,03	0,78	0,60								
0.7	9,87	5,71	3,60	2,41	1,69	1,23	0,93	0,71	0,56							

Thickness	DISTANCE FROM THE FAÇADE (m)															
	 2 supports															
(mm)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
0.5	1,81	1,49	1,25	1,07	0,90	0,66										
0.6	2,17	1,79	1,51	1,28	1,11	0,84	0,63									
0.7	2,53	2,09	1,76	1,50	1,29	1,04	0,78	0,60								

Thickness	DISTANCE IN COVER POSITION (m)															
	 3 supports															
(mm)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
0.5	7,23	5,02	3,69	2,65	1,86	1,36	1,02	0,78	0,62							
0.6	8,67	6,02	4,42	3,36	2,36	1,72	1,29	1,00	0,78	0,63	0,51					
0.7	10,12	7,02	5,16	3,95	2,82	2,06	1,54	1,19	0,94	0,75	0,61	0,50				

Thickness	DISTANCE FROM THE FAÇADE (m)															
	 3 supports															
(mm)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
0.5	8,74	5,06	3,18	2,13	1,50	1,09	0,82	0,63	0,50							
0.6	11,25	6,51	4,10	2,75	1,93	1,41	1,06	0,81	0,64	0,51						
0.7	13,17	8,03	5,06	3,39	2,38	1,73	1,30	1,00	0,79	0,63	0,51					

Thickness	DISTANCE IN COVER POSITION (m)															
	 4 supports															
(mm)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
0.5	9,03	6,27	4,50	3,02	2,12	1,54	1,16	0,89	0,70	0,56						
0.6	10,84	7,53	5,53	3,83	2,69	1,96	1,47	1,14	0,89	0,71	0,58					
0.7	12,64	8,78	6,45	4,57	3,21	2,34	1,76	1,35	1,07	0,85	0,69	0,57				

Thickness	DISTANCE FROM THE FAÇADE (m)															
	 4 supports															
(mm)	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
0.5	9,03	5,76	3,63	2,43	1,71	1,24	0,93	0,72	0,57							
0.6	10,84	7,42	4,67	3,13	2,20	1,60	1,20	0,93	0,73	0,58						
0.7	12,64	8,78	5,76	3,86	2,71	1,98	1,48	1,14	0,90	0,72	0,59					

* Rede Moderna does not recommend the use of this plate under loads of less than 0.5 kN/m².
The values presented (kN/m²) are the responsibility of Rede Moderna, which may change the specifications.

Data:

E= 210000 MPa || Re = 220 MPa || z ≤ l/200