

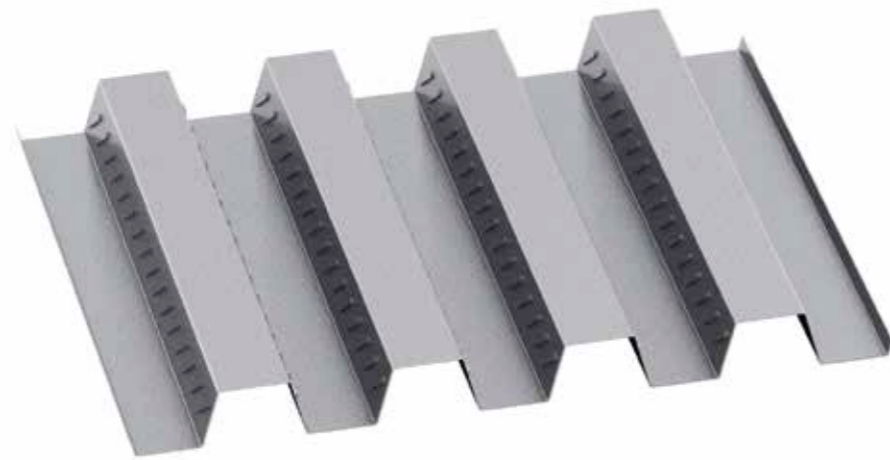
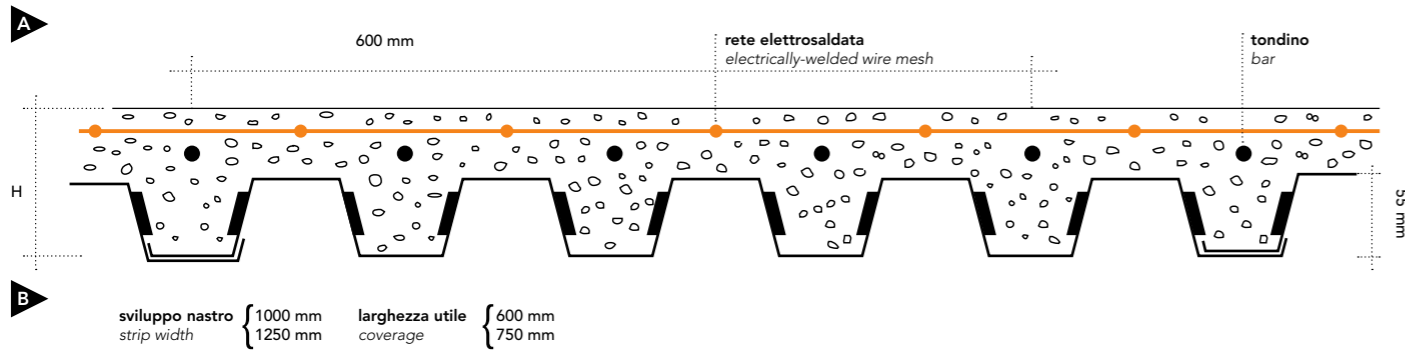
# SOLAI CON LAMIERE COLLABORANTI CON PUNTELLAZIONI E ARMATURA AL NEGATIVO



L'approccio generale del calcolo è quello dell'Eurocode 4 "Progettazione delle strutture acciaio-calcestruzzo", Parte 1-1 "Regole generali e regole per gli edifici".  
The calculation approach is provided by the Eurocode 4 "Design of composite steel and concrete structures", Part 1-1 "General rules and rules for building".

Floors with collaborating plates with struts and negative reinforcement  
Sohlen mit verbundenen Blechen mit Stützen und negativem Gerüst  
Planchers avec des tôles collaborant avec étaçonnements et armature au négatif  
Suelos con planchas colaborantes con apuntalaciones y armadura al negativo

EGB 210 H=10 cm



EGB 210 H=10 cm

## Caratteristiche del profilo Section properties

Spessore Thickness	Peso Weight	Peso Weight	
		1000	1250
mm	kg/m <sup>2</sup>	kg/m	
0,7	9,16	5,50	6,87
0,8	10,47	6,28	7,85
1,0	13,08	7,85	9,81
1,2	15,70	9,42	11,78

<b>CARATTERISTICHE</b> Characteristics Eigenschaften Caractéristiques Características	<b>Rete</b> ø 6 mm a maglia saldata da 150x150 mm	<b>Grid</b> ø 6 mm welded mesh 150x150 mm	<b>Nutzung und Anwendung</b> <b>Geflecht</b> ø 6 mm mit geschweißten Maschen zu 150x150 mm	<b>Grille</b> ø 6 mm à maille soudée de 150x150 mm	<b>Malla electrosoldada</b> 150x150 mm (Ø 6 mm)
	<b>Tondino di rinforzo</b> ø 8 mm	<b>Reinforcement bar</b> ø 8 mm	<b>Rundstab zur Verstärkung</b> ø 8 mm	<b>Rond à béton de</b> <b>renforcement</b> ø 8 mm	<b>Barra de refuerzo</b> ø 8 mm

EGB 210 H=10 cm

▲▲ 1 campata 1 span

Spessore Thickness	Sovraccarico di esercizio utile uniformemente distribuito kN/m <sup>2</sup> - Useful working overload, uniformly distributed (kN/m <sup>2</sup> )															
	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00	5,50	6,00	7,00	8,00	10,00	12,00	15,00	20,00
mm	Luce massima in m per solai - Maximum span in m for floors															
0,7	5.50	4.60	3.89	3.40	3.04	2.77	2.55	2.37	2.22	2.09	1.89	1.73	1.50	1.34	1.17	0.98
0,8	5.94	4.78	4.06	3.57	3.20	2.92	2.70	2.52	2.36	2.23	2.02	1.86	1.61	1.44	1.26	1.06
1,0	6.09	5.17	4.43	3.92	3.54	3.24	3.00	2.81	2.65	2.51	2.28	2.10	1.84	1.65	1.45	1.23
1,2	6.21	5.47	4.70	4.17	3.77	3.46	3.21	3.01	2.83	2.69	2.45	2.26	1.98	1.78	1.56	1.33

EGB 210 H=10 cm

▲▲▲ 2 campate 2 spans

Spessore Thickness	Sovraccarico di esercizio utile uniformemente distribuito kN/m <sup>2</sup> - Useful working overload, uniformly distributed (kN/m <sup>2</sup> )															
	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00	5,50	6,00	7,00	8,00	10,00	12,00	15,00	20,00
mm	Luce massima in m per solai - Maximum span in m for floors															
0,7	5.75	5.58	4.83	4.21	3.75	3.40	3.12	2.90	2.71	2.55	2.29	2.09	1.81	1.61	1.33	1.00
0,8	6.05	5.58	4.99	4.39	3.92	3.57	3.29	3.06	2.86	2.70	2.44	2.23	1.93	1.72	1.47	1.10
1,0	6.44	5.58	4.99	4.55	4.22	3.92	3.62	3.38	3.18	3.00	2.72	2.51	2.18	1.95	1.61	1.21
1,2	6.44	5.58	4.99	4.55	4.22	3.94	3.72	3.53	3.36	3.21	2.92	2.69	2.35	2.10	1.73	1.30

EGB 210 H=10 cm

▲▲▲▲ N campate N spans

Spessore Thickness	Sovraccarico di esercizio utile uniformemente distribuito kN/m <sup>2</sup> - Useful working overload, uniformly distributed (kN/m <sup>2</sup> )															
	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00	5,50	6,00	7,00	8,00	10,00	12,00	15,00	20,00
mm	Luce massima in m per solai - Maximum span in m for floors															
0,7	5.70	5.47	4.60	4.01	3.57	3.24	2.98	2.77	2.59	2.44	2.19	2.01	1.73	1.54	1.34	1.02
0,8	6.00	5.66	4.78	4.19	3.75	3.41	3.14	2.92	2.74	2.59	2.33	2.14	1.86	1.65	1.44	1.14
1,0	6.45	6.01	5.17	4.55	4.10	3.75	3.47	3.24	3.05	2.88	2.62	2.41	2.10	1.88	1.65	1.24
1,2	6.80	6.01	5.38	4.83	4.36	3.99	3.70	3.46	3.26	3.08	2.80	2.58	2.26	2.03	1.78	1.33

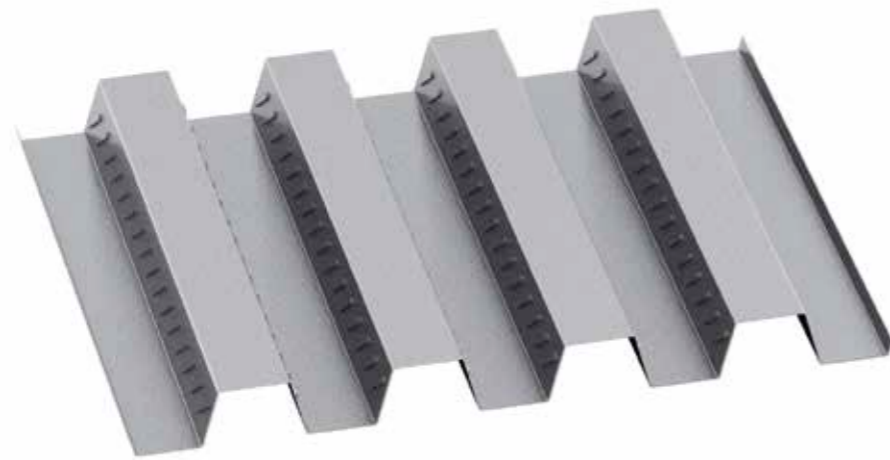
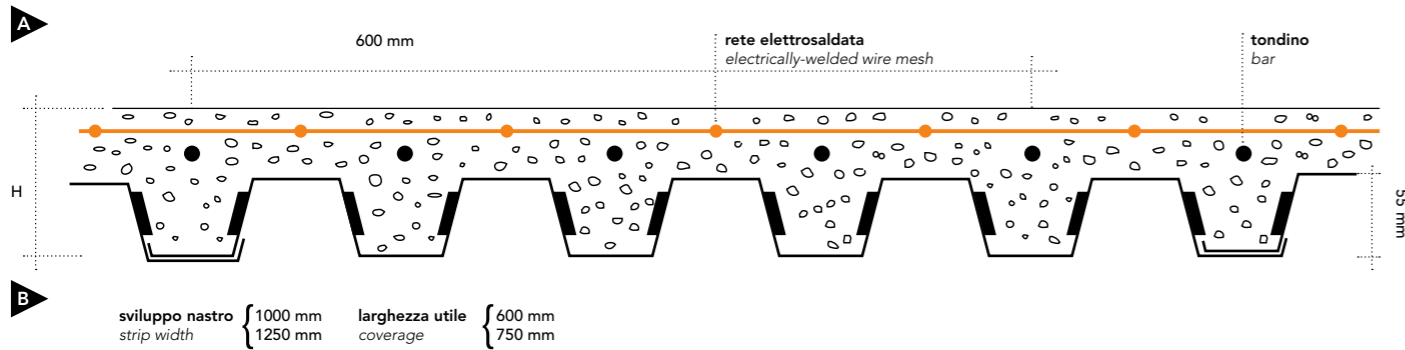
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EGB 210 H=11 cm



EGB 210 H=11 cm

## Caratteristiche del profilo Section properties

Spessore Thickness	Peso Weight	Peso Weight	
		1000	1250
mm	kg/m <sup>2</sup>	kg/m	
0,7	9,16	5,50	6,87
0,8	10,47	6,28	7,85
1,0	13,08	7,85	9,81
1,2	15,70	9,42	11,78

<b>CARATTERISTICHE</b> Characteristics Eigenschaften Caractéristiques Características	<b>Rete</b> ø 6 mm a maglia saldata da 150x150 mm	<b>Grid</b> ø 6 mm welded mesh 150x150 mm	<b>Nutzung und Anwendung</b> <b>Geflecht</b> ø 6 mm mit geschweißten Maschen zu 150x150 mm	<b>Grille</b> ø 6 mm à maille soudée de 150x150 mm	<b>Malla electrosoldada</b> 150x150 mm (Ø 6 mm)
	<b>Tondino di rinforzo</b> ø 8 mm	<b>Reinforcement bar</b> ø 8 mm	<b>Rundstab zur Verstärkung</b> ø 8 mm	<b>Rond à béton de</b> <b>renforcement</b> ø 8 mm	<b>Barra de refuerzo</b> ø 8 mm

EGB 210 H=11 cm

▲▲ 1 campata 1 span

Spessore Thickness	Sovraccarico di esercizio utile uniformemente distribuito kN/m <sup>2</sup> - Useful working overload, uniformly distributed (kN/m <sup>2</sup> )															
	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00	5,50	6,00	7,00	8,00	10,00	12,00	15,00	20,00
mm	Luce massima in m per solai - Maximum span in m for floors															
0,7	5.20	5.08	4.28	3.73	3.34	3.03	2.79	2.59	2.42	2.28	2.06	1.88	1.63	1.45	1.26	1.06
0,8	5.80	5.27	4.46	3.91	3.50	3.19	2.94	2.74	2.57	2.43	2.19	2.01	1.75	1.56	1.36	1.15
1,0	6.70	5.66	4.84	4.27	3.85	3.52	3.26	3.05	2.87	2.71	2.47	2.27	1.98	1.78	1.56	1.32
1,2	6.86	5.97	5.12	4.53	4.10	3.76	3.48	3.26	3.07	2.91	2.64	2.44	2.13	1.92	1.68	1.43

EGB 210 H=11 cm

▲▲▲ 2 campate 2 spans

Spessore Thickness	Sovraccarico di esercizio utile uniformemente distribuito kN/m <sup>2</sup> - Useful working overload, uniformly distributed (kN/m <sup>2</sup> )															
	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00	5,50	6,00	7,00	8,00	10,00	12,00	15,00	20,00
mm	Luce massima in m per solai - Maximum span in m for floors															
0,7	5.60	5.60	5.26	4.64	4.13	3.73	3.42	3.17	2.96	2.79	2.50	2.28	1.97	1.74	1.45	1.08
0,8	6.00	6.00	5.41	4.82	4.31	3.91	3.60	3.34	3.13	2.94	2.65	2.43	2.10	1.87	1.60	1.20
1,0	6.45	6.05	5.41	4.94	4.57	4.27	3.94	3.68	3.45	3.26	2.95	2.71	2.36	2.11	1.75	1.31
1,2	6.85	6.05	5.41	4.94	4.57	4.28	4.03	3.83	3.65	3.48	3.16	2.91	2.54	2.27	1.88	1.41

EGB 210 H=11 cm

▲▲▲▲ N campate N spans

Spessore Thickness	Sovraccarico di esercizio utile uniformemente distribuito kN/m <sup>2</sup> - Useful working overload, uniformly distributed (kN/m <sup>2</sup> )															
	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00	5,50	6,00	7,00	8,00	10,00	12,00	15,00	20,00
mm	Luce massima in m per solai - Maximum span in m for floors															
0,7	5.60	5.41	5.08	4.41	3.93	3.56	3.27	3.03	2.83	2.66	2.39	2.19	1.88	1.67	1.45	1.12
0,8	5.90	5.90	5.27	4.60	4.11	3.73	3.44	3.19	2.99	2.82	2.54	2.33	2.01	1.79	1.56	1.24
1,0	6.40	6.40	5.66	4.98	4.47	4.09	3.78	3.52	3.31	3.13	2.84	2.61	2.27	2.03	1.78	1.35
1,2	6.75	6.52	5.83	5.27	4.75	4.34	4.02	3.76	3.53	3.34	3.03	2.79	2.44	2.19	1.92	1.45

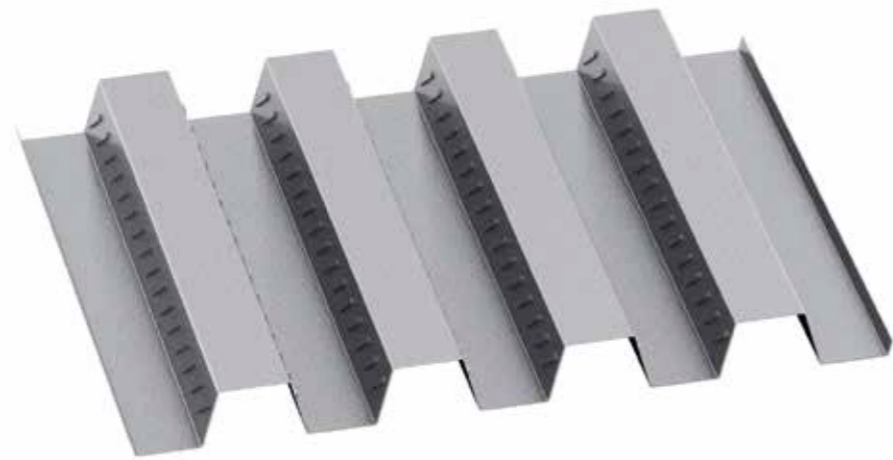
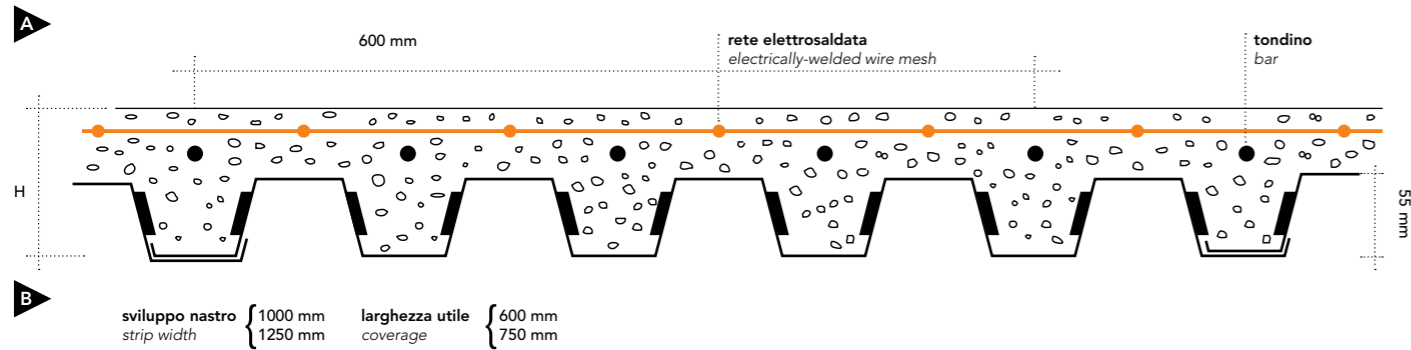
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EGB 210 H=12 cm



EGB 210 H=12 cm

## Caratteristiche del profilo Section properties

Spessore Thickness	Peso Weight	Peso Weight	
		1000	1250
mm	kg/m <sup>2</sup>	kg/m	
0,7	9,16	5,50	6,87
0,8	10,47	6,28	7,85
1,0	13,08	7,85	9,81
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EGB 210 H=12 cm

▲▲▲▲ 1 campata 1 span

Spessore Thickness	Sovraccarico di esercizio utile uniformemente distribuito kN/m <sup>2</sup> - Useful working overload, uniformly distributed (kN/m <sup>2</sup> )															
	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00	5,50	6,00	7,00	8,00	10,00	12,00	15,00	20,00
mm	Luce massima in m per solai - Maximum span in m for floors															
0,7	4.90	4.90	4.67	4.06	3.62	3.29	3.02	2.80	2.62	2.47	2.22	2.03	1.75	1.56	1.35	1.13
0,8	5.50	5.50	4.85	4.24	3.80	3.46	3.18	2.96	2.78	2.62	2.36	2.17	1.88	1.67	1.46	1.23
1,0	6.45	6.13	5.23	4.61	4.15	3.79	3.51	3.28	3.08	2.91	2.64	2.43	2.12	1.90	1.66	1.41
1,2	7.10	6.46	5.53	4.88	4.41	4.04	3.74	3.50	3.29	3.12	2.83	2.61	2.28	2.04	1.79	1.52

EGB 210 H=12 cm

▲▲▲▲▲ 2 campate 2 spans

Spessore Thickness	Sovraccarico di esercizio utile uniformemente distribuito kN/m <sup>2</sup> - Useful working overload, uniformly distributed (kN/m <sup>2</sup> )															
	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00	5,50	6,00	7,00	8,00	10,00	12,00	15,00	20,00
mm	Luce massima in m per solai - Maximum span in m for floors															
0,7	5.30	5.30	5.30	5.06	4.50	4.06	3.72	3.45	3.22	3.02	2.71	2.47	2.12	1.88	1.56	1.17
0,8	5.90	5.90	5.80	5.25	4.68	4.24	3.90	3.62	3.38	3.18	2.87	2.62	2.26	2.01	1.73	1.30
1,0	6.40	6.40	5.80	5.29	4.90	4.59	4.25	3.96	3.72	3.51	3.17	2.91	2.53	2.26	1.89	1.42
1,2	6.80	6.48	5.80	5.29	4.90	4.59	4.32	4.10	3.91	3.74	3.39	3.12	2.71	2.43	2.03	1.52

EGB 210 H=12 cm

▲▲▲▲▲ N campate N spans

Spessore Thickness	Sovraccarico di esercizio utile uniformemente distribuito kN/m <sup>2</sup> - Useful working overload, uniformly distributed (kN/m <sup>2</sup> )															
	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00	5,50	6,00	7,00	8,00	10,00	12,00	15,00	20,00
mm	Luce massima in m per solai - Maximum span in m for floors															
0,7	5.30	5.30	5.30	4.82	4.28	3.87	3.55	3.29	3.07	2.89	2.59	2.36	2.03	1.80	1.56	1.20
0,8	5.85	5.85	5.74	5.00	4.46	4.05	3.72	3.46	3.23	3.05	2.74	2.51	2.17	1.93	1.67	1.34
1,0	6.35	6.35	6.13	5.38	4.83	4.41	4.07	3.79	3.56	3.36	3.04	2.80	2.43	2.17	1.90	1.46
1,2	6.70	6.70	6.25	5.69	5.12	4.68	4.33	4.04	3.79	3.59	3.25	2.99	2.61	2.34	2.04	1.57