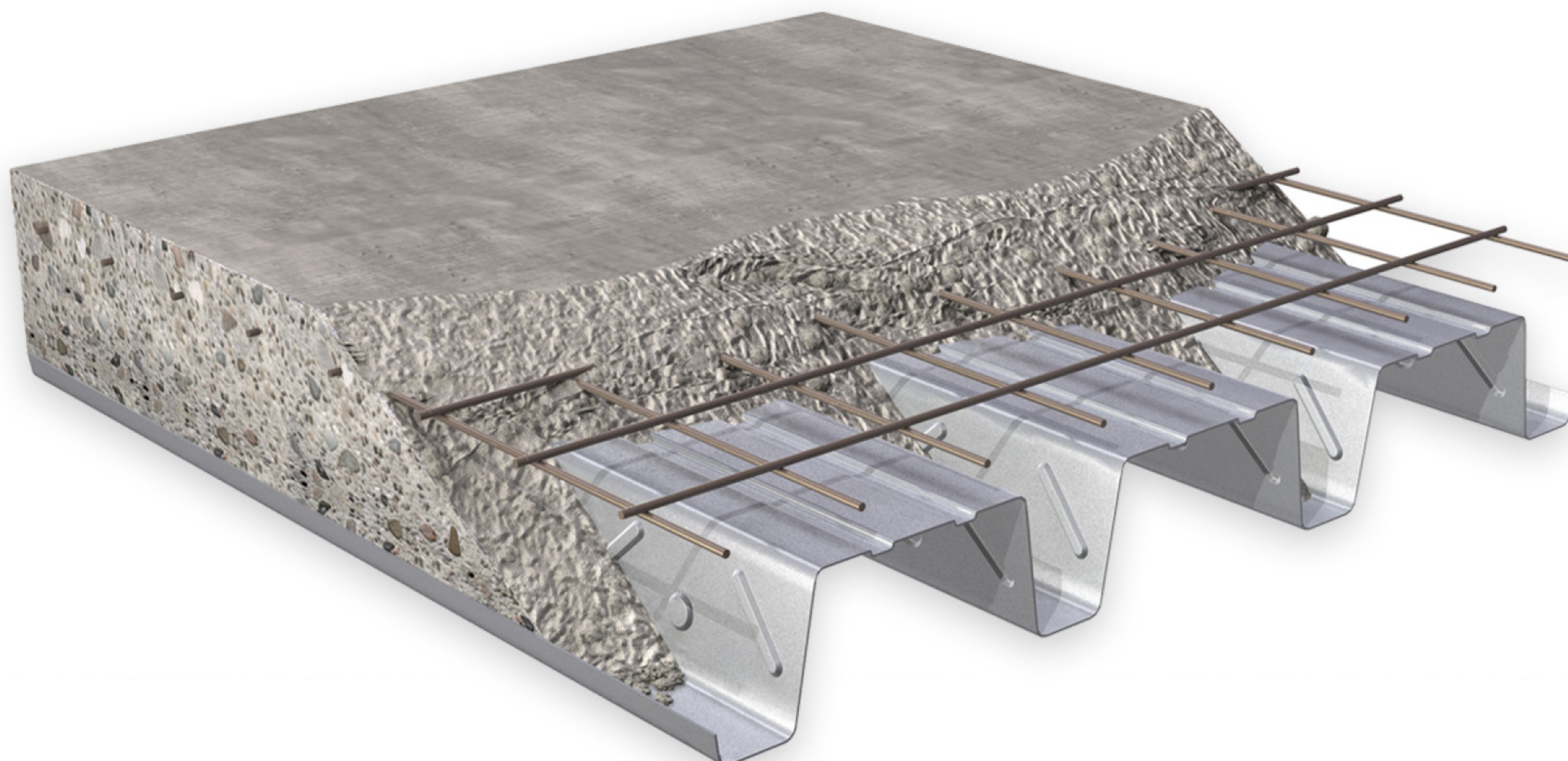


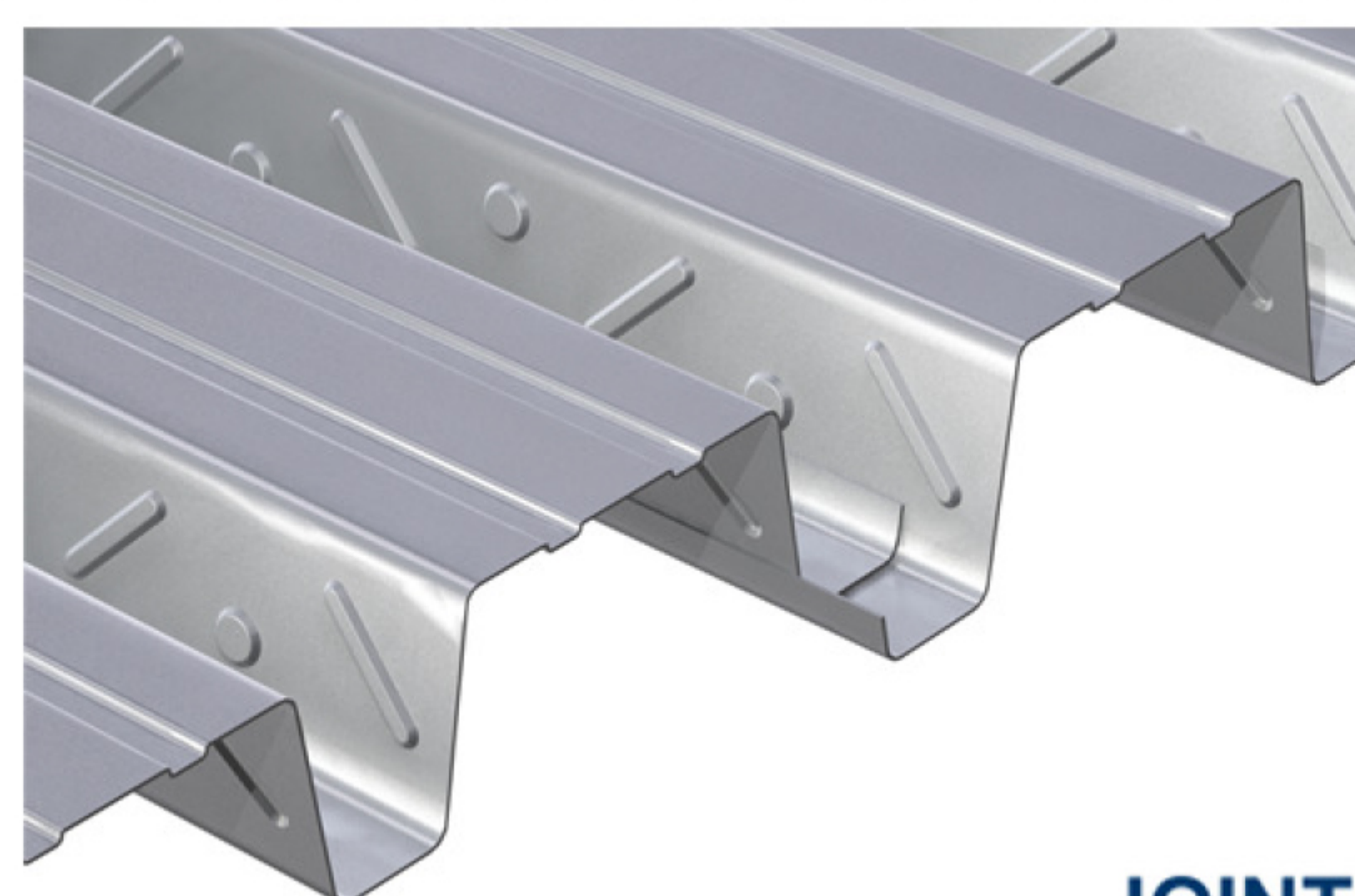
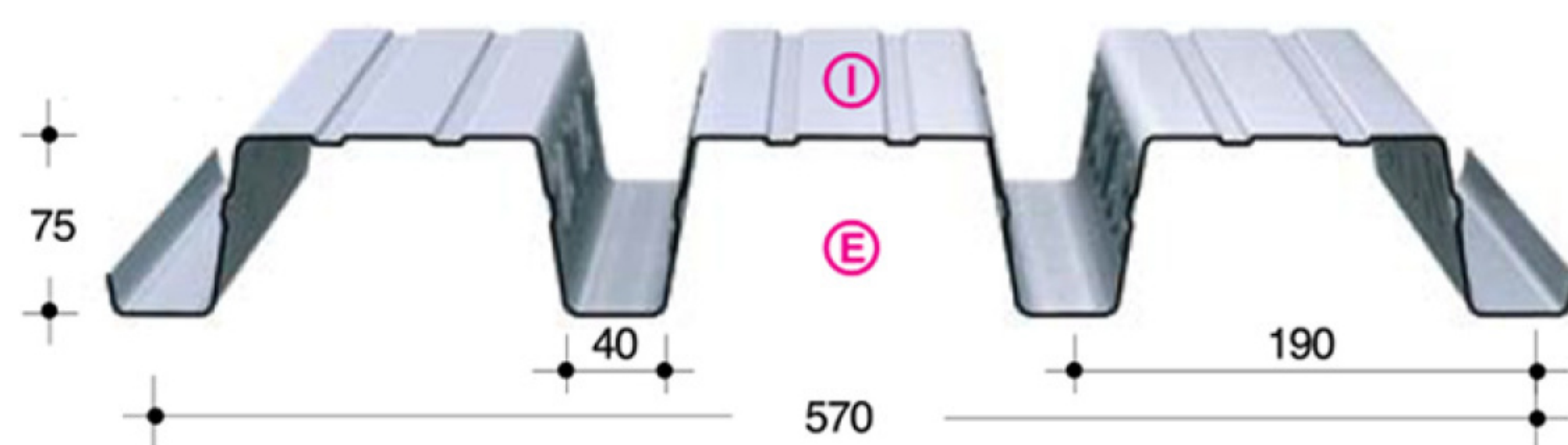
SOLAC® 75 STEEL DECKINGS

® registered trade name

ENG

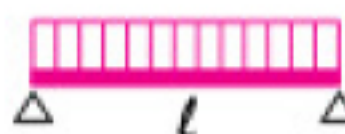


SOLAC® 75



JOINT

Geometric and static properties					Net loads in Kg/m ²														
thickness mm	SLAB 4,5 cm. HT = 12 cm.				loading conditions	height cm	thickness mm	weight Kg/m ²	ℓ span in m										
	X cm	J cm ⁴ /m	W cm ³ /m	Me kg cm/m					1,50	1,75	2,00	2,25	2,50	2,75	3,00	3,25	3,50	3,75	4,00
0,6	8,41	359	42,66	59728		SLAB 4,5 cm. Hr = 12 cm.	0,6	170	1953	1390	1024	774	594	462	361	282	220	170	128
0,7	8,23	401	48,77	68284			0,7	171	2256	1612	1194	908	703	551	435	346	274	217	170
0,8	8,07	442	54,73	76616			0,8	173	2551	1829	1360	1038	808	638	508	408	328	263	210
1,0	7,80	516	66,22	92712			1,0	175	3121	2246	1679	1290	1011	805	649	527	430	352	288
1,2	7,58	585	77,27	108173			1,2	178	3668	2648	1986	1531	1027	966	784	641	528	437	363
					deflection cm				0,19	0,26	0,34	0,44	0,54	0,65	0,77	0,91	1,05	1,21	1,38

Geometric and static properties					Net loads in Kg/m ²														
thickness mm	SLAB 5,5 cm. HT = 13 cm.				loading conditions	height cm	thickness mm	weight Kg/m ²	ℓ span in m										
	X cm	J cm ⁴ /m	W cm ³ /m	Me kg cm/m					1,50	1,75	2,00	2,25	2,50	2,75	3,00	3,25	3,50	3,75	4,00
0,6	9,11	450	49,40	69161		SLAB 5,5 cm. Hr = 13 cm.	0,6	195	2264	1611	1188	898	690	536	420	329	256	198	151
0,7	8,91	503	56,47	79051			0,7	196	2614	1869	1385	1053	815	640	506	402	320	253	199
0,8	8,73	553	63,34	88672			0,8	198	2955	2119	1576	1203	937	740	590	474	381	307	246
1,0	8,42	645	76,58	107219			1,0	200	3565	2600	1944	1494	1172	934	753	612	500	410	336
1,2	8,17	729	89,27	124984			1,2	203	3826	3062	2297	1772	1397	1119	908	744	613	508	422
					deflection cm				0,18	0,24	0,32	0,40	0,50	0,60	0,72	0,84	0,97	1,12	1,27

Geometric and static properties					Net loads in Kg/m ²														
thickness mm	SLAB 6,5 cm. HT = 14 cm.				loading conditions	height cm	thickness mm	weight Kg/m ²	ℓ span in m										
	X cm	J cm ⁴ /m	W cm ³ /m	Me kg cm/m					1,50	1,75	2,00	2,25	2,50	2,75	3,00	3,25	3,50	3,75	4,00
0,6	9,83	556	56,61	79249		SLAB 6,5 cm. Hr = 14 cm.	0,6	220	2598	1850	1365	1032	794	618	484	380	297	231	176
0,7	9,60	622	64,72	90604			0,7	221	3000	2145	1591	1210	938	737	584	465	370	294	232
0,8	9,40	683	72,60	101645			0,8	223	3391	2432	1810	1383	1078	852	681	547	441	355	285
1,0	9,07	796	87,80	122915			1,0	225	3775	2985	2233	1717	1348	1075	867	706	577	474	389
1,2	8,79	899	102,33	143264			1,2	228	4034	3425	2637	2036	1606	1288	1046	857	708	587	488
					deflection cm				0,17	0,23	0,29	0,37	0,46	0,56	0,66	0,78	0,90	1,04	1,18

SOLAC® STEEL DECKINGS - The use of the trapezoidal steel sheets in the construction of floors has impacted an innovation of great importance ; the elasticity of the system allows easy use in every condition. The particular marks on the sides of the ribs permit the anchoring of the concrete thus avoiding horizontal slide or vertical detachment. The steel deckings Solac® 55 and Solac® 75 have achieved the UNI EN 1090-1:2009+A1:2011 Certification referred to the Execution of Structural Steel Components - EXECUTION CLASS UP TO EXC3.

Technical norms for trapezoidal sheets and deckings
- D.M. 09/01/96 - CNR 10022-84 - UNI EN 1090-1
- CNR UNI 10011-88 - CNR 10016-72
- EUROCODE 3 - PART 1.3

