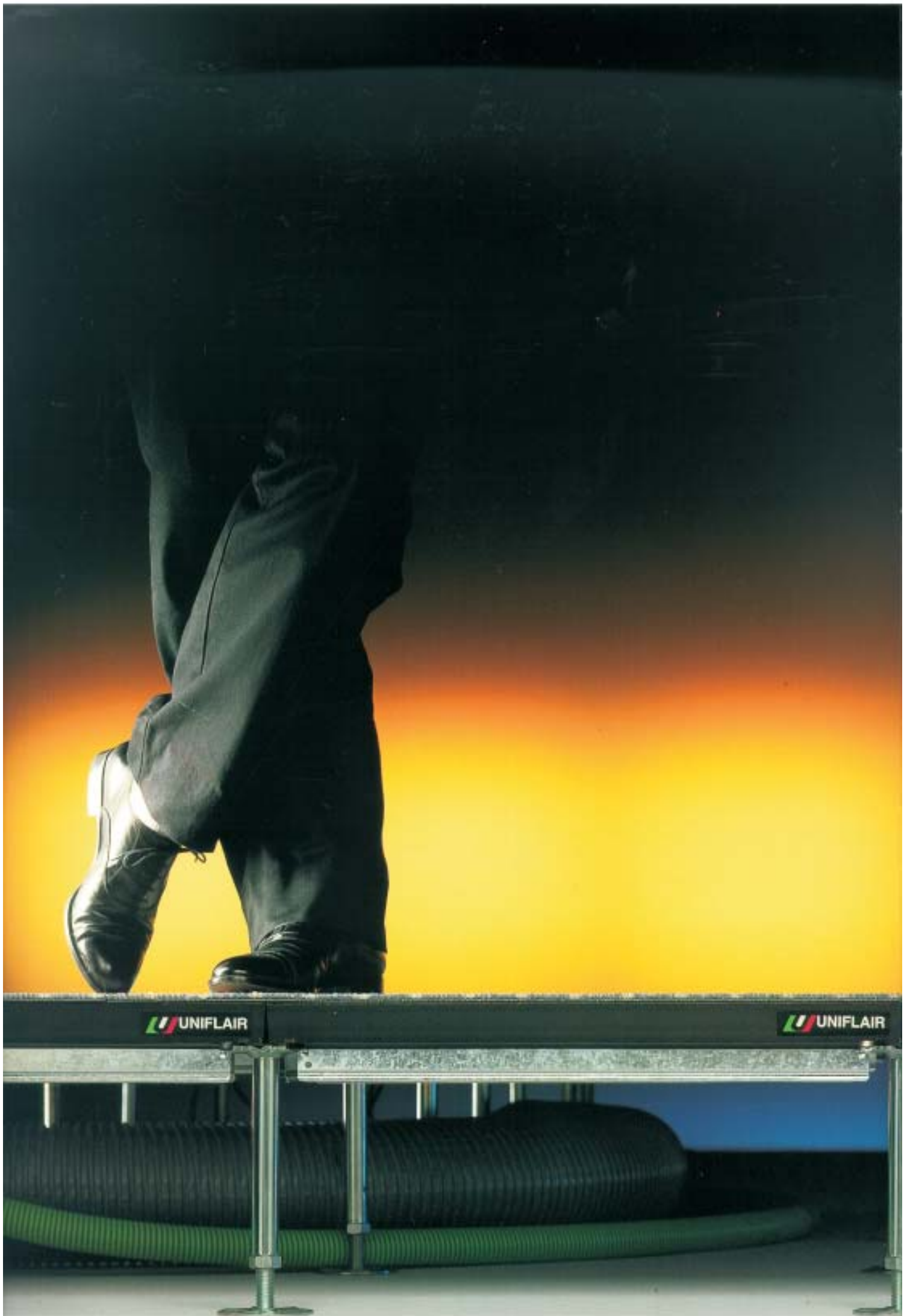




ACCESS FLOOR  UNIFLAIR





On average, some 50% of the construction time of a building is dedicated to the installation of all the various services and the corresponding labour costs, direct and indirect — including the associated builders' work — therefore represent an important, if not the major part of the final costs. UNIFLAIR raised floor can transform building economics.

With it, the services can be laid on the sub-floor without the need for elaborate bridging or cradles, and with a degree of prefabrication which would be unthinkable with traditional methods.

Associated builders' work is drastically reduced as the need to bury services in walls or floorscreeds is eliminated.

The construction programme is simplified, more flexible and more accurate, reducing «dead» periods and reducing the chances of unexpected problems and the costs, direct or hidden, associated with them.

There is now a wealth of experience to support the claim that the adoption of a full access floor can reduce the construction costs of an office building by up to 15%, not only through direct savings in labour and materials, but also through earlier completion times which can be valued at up to 0,5 to 0,8% per month of the total investment.

Depending upon the circumstances, a UNIFLAIR access floor may be considered as a fitting rather than a fixture, unlike a traditional floor, because it is relocatable and may therefore be depreciated at a faster rate, though in practice its useful life may be as long as the building itself.

A LOOK AT COSTS...





TECHNICAL DATA: PANELS AND SUBSTRUCTURE (*) NOTES

PANELS	COVER MATERIAL	PANEL DIMENSIONS (mm)	HEIGHT (mm)	TYPE RESISTANCE	UNIFORMLY DISTRIBUTED LOAD WITH DEFLECTION = 2 mm (3) (kN/m²)						
					CONCENTRATED LOAD WITH DEFLECTION = 2 mm (3) (kN)						
					MAXIMUM CONCENTRATED LOAD WITH SAFETY FACTOR OF 3 (kN)						
30H	Ultra-high density particle board	600 x 600 x 30	235	30 (*)	9,2	9,4	12,1	18,2	23,0	19,4	11,0
					2,0	2,1	2,6	3,0	4,5	3,2	2,3
					4,4	4,4	4,8	5,1	5,8	5,8	4,8
30HF	High density particle board with steel sheet to the underside	600 x 600 x 30,5	275	15	14,0	14,2	17,3	21,9	30,2	24,2	16,1
					3,0	3,1	3,6	4,1	5,7	4,2	3,2
					8,0	8,0	8,5	9,0	9,7	9,6	8,4
40H	Ultra-high density particle board	600 x 600 x 38	295	60	16,8	17,0	19,9	28,0	33,6	28,5	18,4
					3,4	3,5	3,6	4,6	5,4	4,1	3,4
					8,2	8,2	8,7	9,2	10,2	10,2	8,6
40HF	High density particle board with steel sheet to the underside	600 x 600 x 38,5	335	45	24,5	24,7	27,5	35,2	41,3	37,7	24,4
					5,0	5,1	5,8	6,3	6,7	6,5	5,0
					9,7	9,7	10,2	10,7	11,2	11,2	10
42C	Composite panel with high density particle board and inert material	600 x 600 x 42	380	90 (*)	17,3	17,5	19,9	27,5	32,6	28,0	18,9
					3,4	3,4	3,7	4,7	5,5	5,0	3,5
					4,1	4,1	4,6	5,1	6,1	6,1	4,5
35K	Inert material	600 x 600 x 34	310	90 (*)	17,3	17,5	21,9	28,0	33,1	30,1	20,2
					3,5	3,4	3,9	5,0	6,0	4,8	3,8
					4,3	4,3	4,6	4,8	5,6	5,6	4,4
35KF	Inert material with steel sheet to the underside	600 x 600 x 34,5	350	90	25,5	25,7	29,6	34,7	40,8	39,2	27,2
					4,9	4,9	5,6	7,0	7,8	6,6	5,5
					9,7	9,7	10,2	10,7	11,2	12,2	9,9
30LLL	Particle board with laminate covering	600 x 600 x 30	215	30	9,1	9,2	13,3	18,9	22,4	19,4	12,4
					1,8	1,9	2,1	2,7	3,6	3,2	2,1
					4,1	4,1	4,5	4,7	5,1	5,6	4,5
40LLL	Particle board with laminate covering	600 x 600 x 40	265	45	15,3	15,5	19,4	27,0	32,1	27,5	18,2
					2,9	2,9	3,4	4,2	5,2	4,5	3,4
					6,6	6,6	7,1	7,6	8,4	8,7	7,1
STRINGERS					NO	YES	YES	YES	YES	YES	YES
					60/500	60/700	60/1000	60/1300	60/2000	60/2000	60/1500
HEIGHT (*) mm					23	35	44	54	62	66	43
					galvan. steel	galvan. steel	galvan. steel	galvan. steel	galvan. steel	galvan. steel	galvan. steel
WEIGHT (*) N/m²					23	35	44	54	62	66	43
					galvan. steel	galvan. steel	galvan. steel	galvan. steel	galvan. steel	galvan. steel	galvan. steel
MATERIAL					ONE	ONE	ONE	ONE	ONE	ONE	ONE
					ONE	ONE	ONE	ONE	ONE	ONE	ONE
SUBSTRUCTURE					ONE	ONE	ONE	ONE	ONE	ONE	ONE
					ONE	ONE	ONE	ONE	ONE	ONE	ONE

- 1) Without covering material (except panels 30LLL and 40LLL).
- 2) Certified values with aluminium foil underside.
- 3) Measured at the centre of the panel, with a 10% tolerance, depending upon the characteristics of the particle board.

N.B.: TO OBTAIN A DEFLECTION OF 2.5 mm MULTIPLY THE LOAD BY 1.25.

- 4) To obtain the finished floor height, add the panel thickness.
- 5) Based on a substructure height of 250 mm.

The Physical characteristics of the basic panel types relate to the panel without surface covering (with the exception of types 30LLL and 40LLL which include hard plastic laminate covering on both faces). Furthermore there are mentioned the main load characteristics for each combination between the panels and the various versions of the "S" substructure, plus the "S" model with its medium stringers.

N.B.: They are available on request the specific load bearing capacity data on substructure type "8X" for which, thanks to extremely high performances, it is important to firstly define the load bearing capacity of the real slab.

Rigid covering materials can also improve panels strength.

TECHNICAL DATA: COVERING MATERIALS (*)

RESILIENT COVERINGS	NEEDLE PUNCH CARPET	VELCUT CARPET	LOOP PILE CARPET	VINYL	LINOLEUM	RUBBER
AVERAGE THICKNESS: mm	6	7,5	7	2	3-4	2,5-3
AVERAGE WEIGHT: N/m ²	13	20	20	30	30-40	40-50
WEARING RESISTANCE	good	good	good	very good	good	very good
ELECTRICAL RESISTANCE-Ohm	10 ⁸	10 ⁸	10 ⁸	10 ⁸	—	10 ⁸
FLAME SPREAD CLASS	1	1	1	1	1	1
NOISE ATTENUATION: dB	2-5	4-12	2-4	2-4	2-4	2-5
HARD COVERINGS	PLASTIC LAMINATE	PARKET	CERAMIC	MARBLE	GRANITE	STONE AGGLOMERATE
AVERAGE THICKNESS: mm	1,2	10	10	18	18	10
AVERAGE WEIGHT: N/m ²	17	80	250	400	450	250
WEARING RESISTANCE	very good	fair	very good	good	very good	good
ELECTRICAL RESISTANCE: Ohm	10 ⁸	10 ⁸	> 10 ⁸	> 10 ⁸	> 10 ⁸	> 10 ⁸
FLAME SPREAD CLASS	1	—	0	0	0	0
NOISE ATTENUATION: dB	2-5	4-12	2-4	2-4	2-4	2-5

The data summarized here are indicative of typical values of the types and makes most commonly used. For the precise data for any specific material, the individual manufacturer's original information can be provided on request.

(*) The tables summarize the most significant characteristic which should be considered as general averages in assessing the suitability of UNIFLAI access floor for an application. For more detailed information please contact UNIFLAI or its local distributor.

UNIFLAI's policy is one of continuous technological innovation and the company therefore reserves the right to amend any data herein without prior notice.

Revision: 2/94