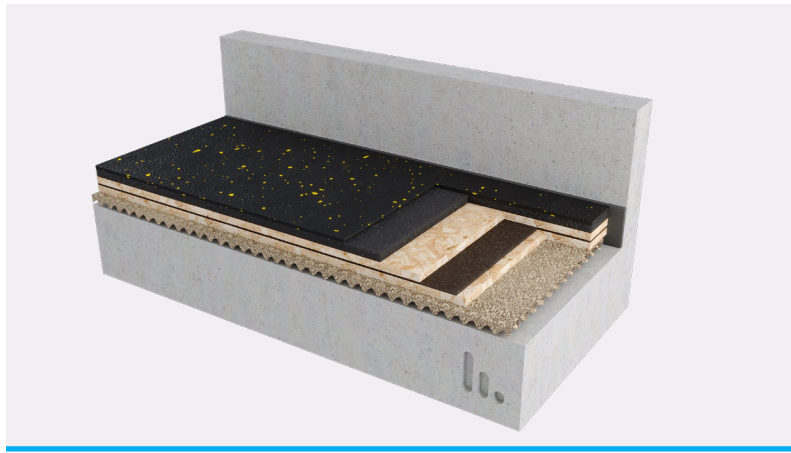




Stravigym SP*

Datasheet

Stravigym SP is our "Standard Performance" gym system. It is a continuous support floating floor that provides great performances in the reduction of low-impact sound while offering a high level of comfort for any type of training.

Stravigym SP is a low-profile solution, ideally suited for areas with restricted additional floor build-up.

Its compatible with most conventional floor coverings and so selection of the final flooring can be made independent on the acoustic solution.



CHARACTERISTICS

- A variety of load distribution components can be used, such as plywood or OSB board
- Two types of absorption layers are available: continuous mats (Stravigym GympactLayer-20** & Stravigym GympactLayer-45***) and tiles (Stravigym GympactTile**** (-30, -50 and -70))
- Floor covering is not included in standard Stravigym solutions but a Stravigym GympactFloor products are available upon request
- Stravigym systems are compatible with almost all types of gym floor covering (please check with CDM Stravitec & floor manufacturer prior to installation)
- Stravigym SP is a lightweight floating floor options with reduced/minimal overall thickness (low additional height and weight)
- Stravigym SP is quick and easy to install
- If required, Stravigym SP can easily be dismantled and reinstalled

*Previously known as CDM-GYM-SP

**Previously known as GYMFACT20

***Previously known as GYMFACT45

****Previously known as GYMFACT-Tile



ACOUSTICAL RESULTS

Test Setup

- 20 mm (3/4") Stravigym GympactLayer-20
- Load distribution layer: 2 layers of plywood 19 mm (3/4") with 5 mm (1/4") Damping Layer
- Resilient support Roll-W25
- 41 mm (1-5/8") air void
- 150 mm (6") concrete slab

Setup

IIC

HIIC

LIIC

STC

Assembly

59

88

69

59

Bare Slab

29

28

66

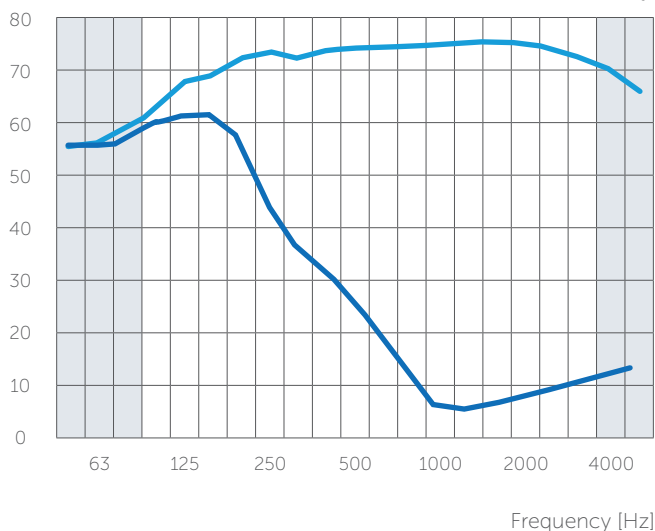
53

Laboratory report available upon request
NRC Test Report A1-021983-12

Frequency [Hz]	NISPL [dB]	
	Bare Slab	Assembly
50	55	55
63	56	55
80	59	56
100	62	59
125	67	60
160	68	61
200	71	56
250	72	44
315	71	36
400	73	31
500	73	27
630	73	19
800	73	12
1000	74	5
1250	74	5
1600	74	5
2000	74	7
2500	73	8
3150	71	9
4000	69	11
5000	65	13

NISPL [dB]

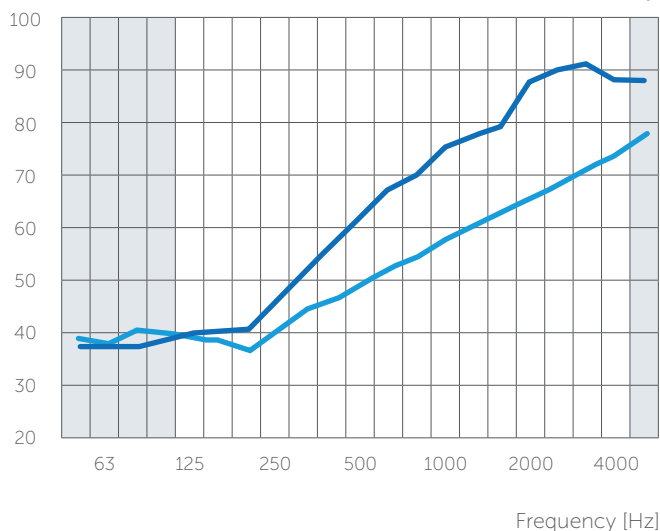
● Bare Slab ● Assembly



Frequency [Hz]	Airborne TL [dB]	
	Bare Slab	Assembly
50	39	38
63	39	38
80	41	38
100	40	39
125	39	41
160	39	41
200	37	41
250	41	46
315	45	52
400	47	57
500	50	62
630	53	67
800	55	70
1000	58	75
1250	61	77
1600	63	79
2000	66	87
2500	68	89
3150	72	90
4000	74	88
5000	78	87

TL [dB]

● Bare Slab ● Assembly



Drop-Weight Tests

Test Setup

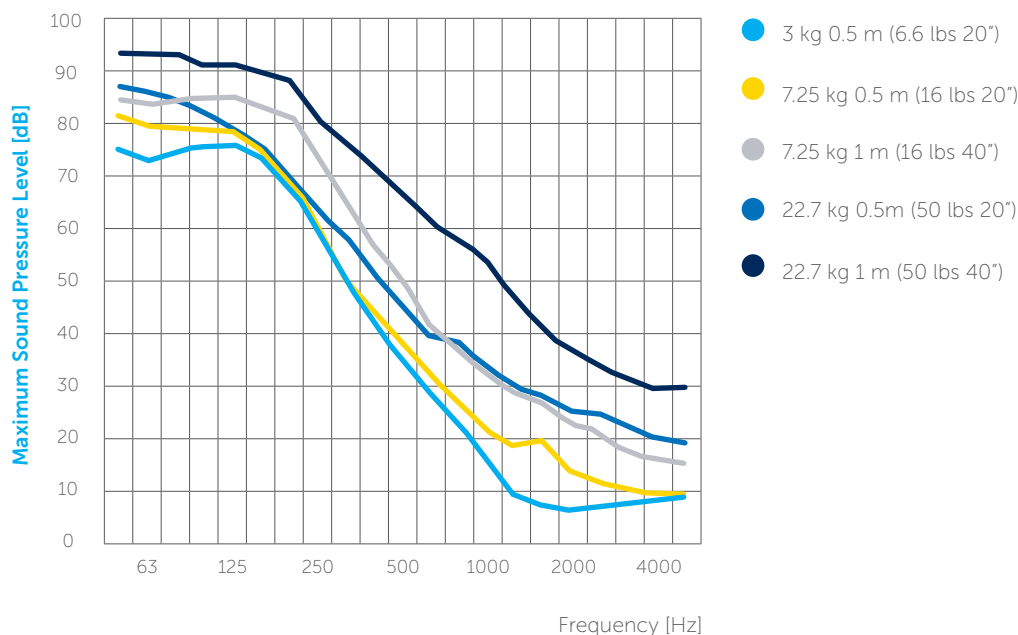
- 20 mm (3/4") Stravigym GympactLayer-20
- Load distribution layer: 2 layers of plywood 19 mm (3/4") with 5 mm (1/4") Damping Layer
- Resilient support Roll-W25
- 150 mm (6") concrete slab

$L_{IAF,max}$ [dBA]

3 kg 0.5 m (6.6 lbs 20")	7.25 kg 0.5 m (16 lbs 20")	7.25 kg 1 m (16 lbs 40")	22.7 kg 0.5m (50 lbs 20")	22.7 kg 1 m (50 lbs 40")
66	68	76	70	83

Laboratory report available upon request
NRC Test Report A1-021983-12

Frequency [Hz]	$L_{IAF,max}$ [dBA]				
	3 kg 0.5 m (6.6 lbs 20")	7.25 kg 0.5 m (16 lbs 20")	7.25 kg 1 m (16 lbs 40")	22.7 kg 0.5m (50 lbs 20")	22.7 kg 1 m (50 lbs 40")
50	75	81	84	87	93
63	73	80	84	86	93
80	75	79	85	84	93
100	76	79	85	82	91
125	76	78	85	79	91
160	74	75	83	75	90
200	69	70	81	69	88
250	60	61	74	64	81
315	52	51	66	59	76
400	42	45	57	52	72
500	36	39	51	46	68
630	30	33	43	40	61
800	24	28	38	39	59
1000	17	23	33	34	55
1250	11	20	30	31	47
1600	9	21	28	29	41
2000	8	15	24	27	38
2500	8	13	22	26	35
3150	9	12	19	23	33
4000	10	11	17	21	31
5000	10	11	17	20	31

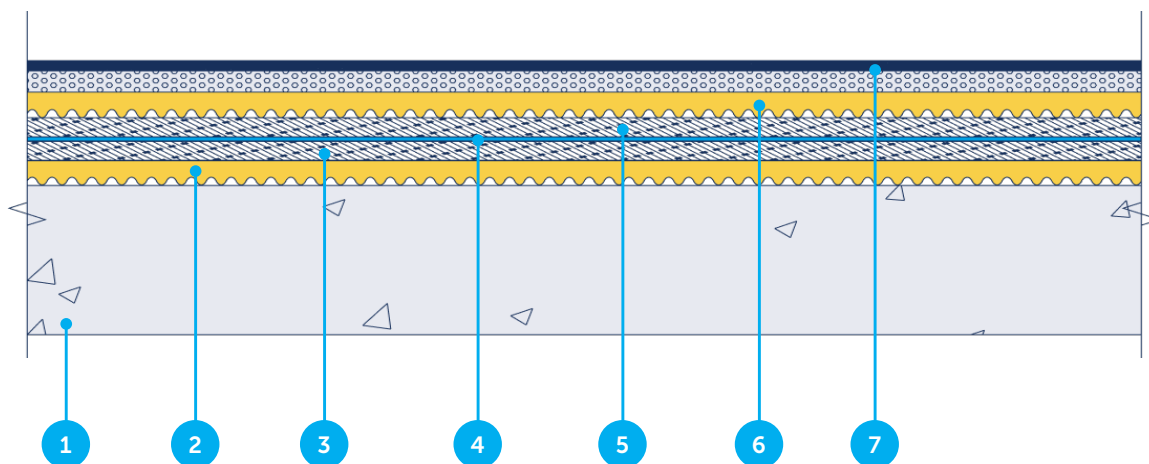




TYPICAL ASSEMBLY

Stravigym SP

1. Structural slab
2. Stravigym Mat-W
3. Plywood load distribution layer 1 (or other suitable load distribution layer)
4. Damping Layer
5. Plywood load distribution layer 2 (or other suitable load distribution layer)
6. GympactLayer-45
7. Floor covering



Notes:

Additional information about installation is available upon request.

All Stravigym standard solutions can be combined with different Stravigym GympactLayer.

The right selection of Stravigym GympactLayer allows choosing the best solution for the different gym activities.



Other Stravigym SP assemblies available on our test data platform Stravi-dB.



SCAN ME

DISCLAIMER

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