

**“A really good flooring-system,  
is like a stradivarius but the other way around”**

**POSI FLOORING SYSTEM**





# MiTek®

*MiTek's Posi flooring system allow greater spans and easier installation than would be possible with any alternative timber products.*

*The effective reduction of costs, alongside the maintenance of high standards of design and workmanship, is a key objective for architects, engineers, project managers and specifiers.*

*MiTek has carried out intensive tests both in laboratory as well as in field test to develop exceptionally cost effective flooring systems, with standard and dry solutions, components, fire protection 60min.*



Parquet - 14mm

Parquet underlay - 3mm

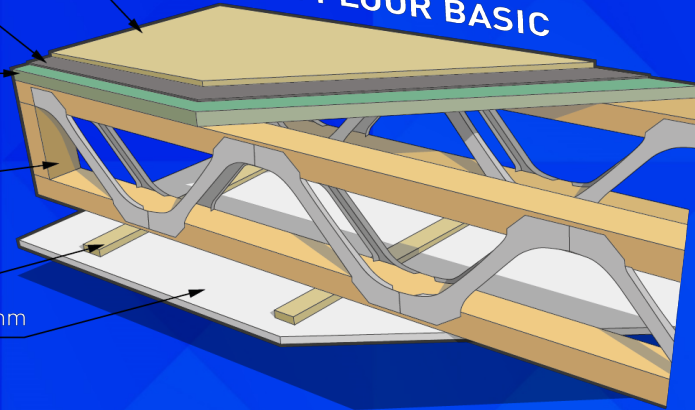
Floor chipboard - 22mm  
Screwed & glued with MiTek JOIST-IK

Posi-Joist - 300mm  
Cassette filled with loose mineral wool  
ca. 11kg/m2 (PS12)

Roof-battens - 17mm  
17x45mm

Gypsum board - 12.5mm

## POSI FLOOR BASIC



Parquet - 14mm

Parquet underlay - 3mm

Gypsum boards - 25mm

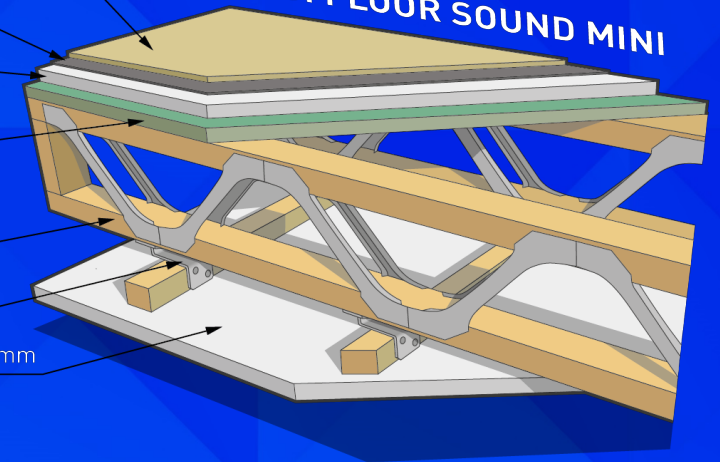
Floor chipboard - 22mm  
Screwed & glued with MiTek JOIST-IK

Posi-Joist - 300mm  
Cassette filled with loose mineral wool  
ca. 11kg/m2 (PS12)

MiTek Sound profile 80mm

Gypsum Fireboards - 30mm

## POSI FLOOR SOUND MINI



Parquet - 14mm

Parquet underlay - 3mm

Gypsum boards - 25mm

Sound mat - 12mm

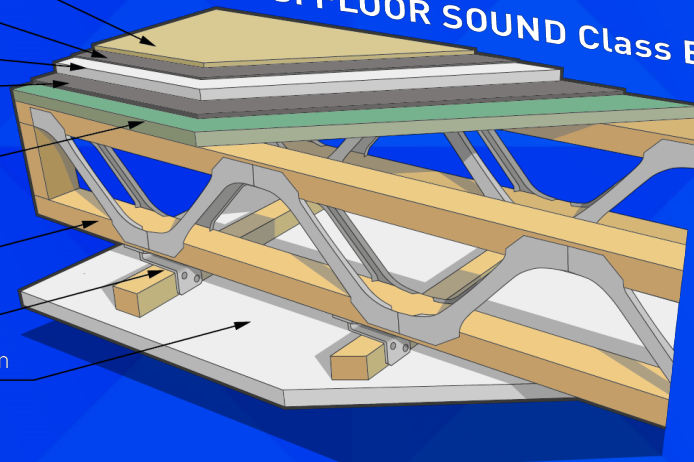
Floor chipboard - 22mm  
Screwed & glued with MiTek JOIST-IK

Posi-Joist - 300mm  
Cassette filled with loose mineral wool  
ca. 11kg/m2 (PS12)

MiTek Sound profile 80mm

Gypsum Fireboards - 30mm

## POSI FLOOR SOUND Class B



Parquet - 14mm

Parquet underlay - 3mm

Gypsum boards - 38mm

Sound mat - 12mm

Floor chipboard - 22mm  
Screwed & glued with MiTek JOIST-IK

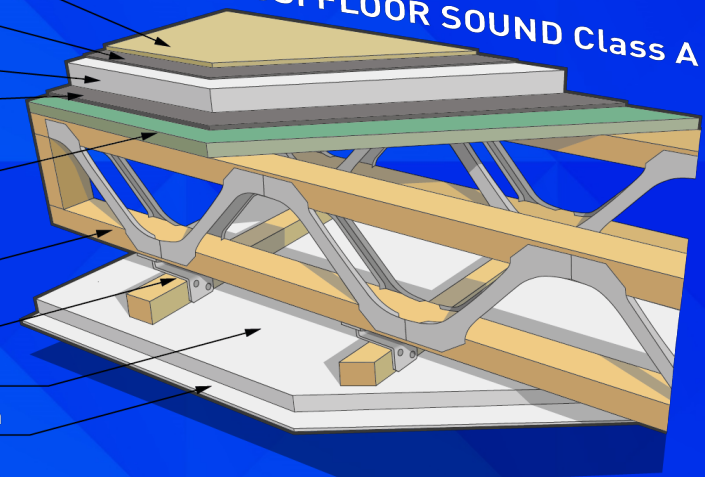
Posi-Joist - 300mm  
Cassette filled with loose mineral wool  
ca. 11kg/m2 (PS12)

MiTek Sound profile 80mm

Gypsum Fireboards - 30mm

Gypsum board - 6mm

## POSI FLOOR SOUND Class A



# AIRBORNE SOUND

Table 2. Results, airborne sound <sup>1)</sup>

Floor structure	Weighted sound reduction index [dB]	Spectrum adaptation term [dB]		Annex MIT_20.01.03_...
Setup	$R_w$	C	$C_{50-3150}$	
F1	49	-4	-5	A-F1
F2	48	-3	-5	A-F2
F3	49	-3	-5	A-F3
F4 (BBR) <sup>2)</sup>	54	-2	-5	A-F4
F5 (Sound Class B) <sup>2)</sup>	56	-3	-7	A-F5
F6 (Sound Class A) <sup>2)</sup>	55	-2	-4	A-F6
F7	57	-2	-5	A-F7
F8	57	-3	-5	A-F8
F9	56	-2	-5	A-F9
F10	55 56	-2 -2	-5 -4	A-F10 A-F10(fixed)

1) It is advised to go into report MIT\_20.01.01, to view the possible airborne sound insulation through the floor structure. The mock-up results are affected by excessive wall flanking transmission between the stories.

2) Based on the results from the measurements carried out in laboratory, see report MIT\_20.01.01.

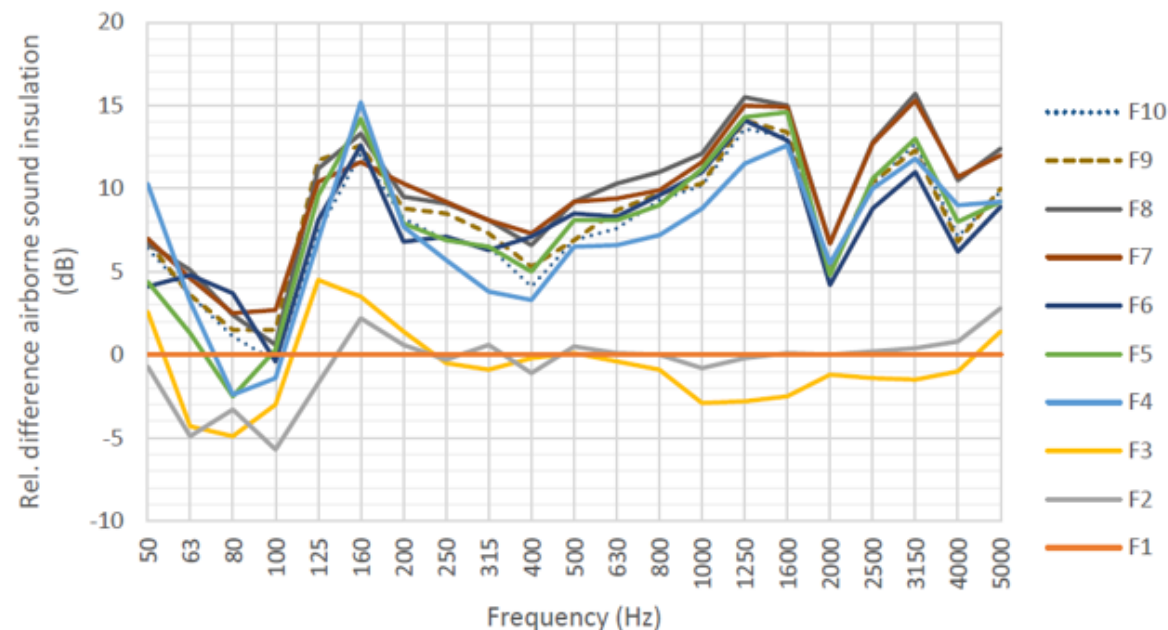


Figure 8. Relative difference in airborne sound insulation.

# IMPACT SOUND

Floor structure	Weighted normalized impact sound level, [dB]	Spectrum adaptation term [dB]		Annex MIT_20.01.03_...
Setup	$L_{n,w}$	$C_1$	$C_{1,50-2500}$	
F1	60	-2	1	I-F1
F2	60	-3	1	I-F2
F3	63	-3	-1	I-F3
F4 (BBR) <sup>2)</sup>	49	0	5	I-F4
F5 (Sound Class B) <sup>2)</sup>	48	0	4	I-F5
F6 (Sound Class A) <sup>2)</sup>	43	1	7	I-F6
F7 (Sound Class A) <sup>1)</sup>	41 42 42	0 0 0	10 6 9	I-F7 I-F7(with abs., KH) I-F7(with abs., RÖ)
F8 (Sound Class A)	40 40	0 0	9 11	I-F8 I-F8(no floor)
F9 (Sound Class A)	41	0	8	I-F9
F10 (Sound Class A)	42 42	1 0	8 9	I-F10 I-F10(fixed)

1) Fulfills sound class A according to SS 25267(2015).

2) Based on the results from the measurements carried out in laboratory, see report MIT\_20.01.01.

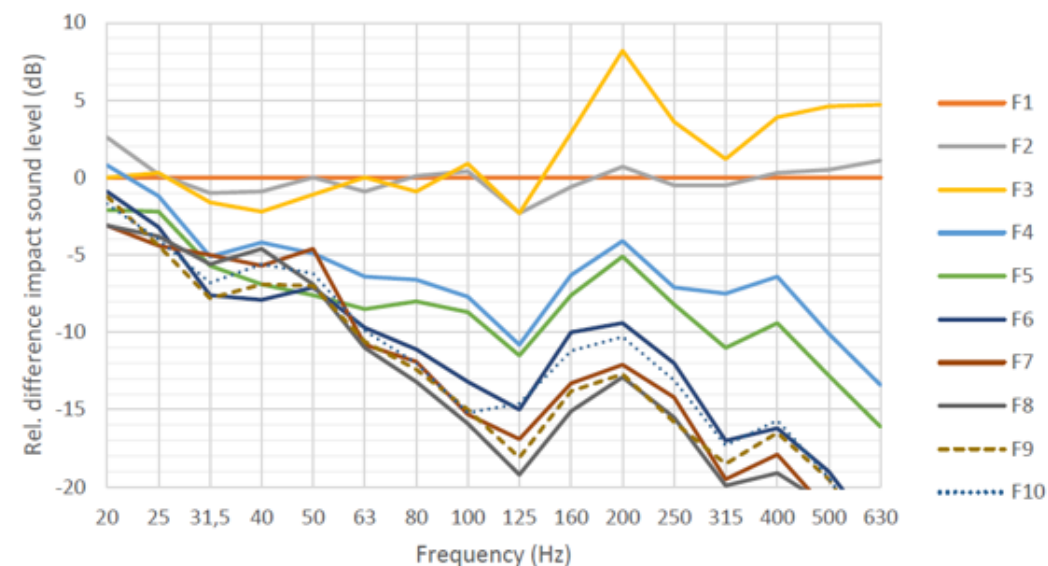


Figure 9. Relative difference in impact sound level.