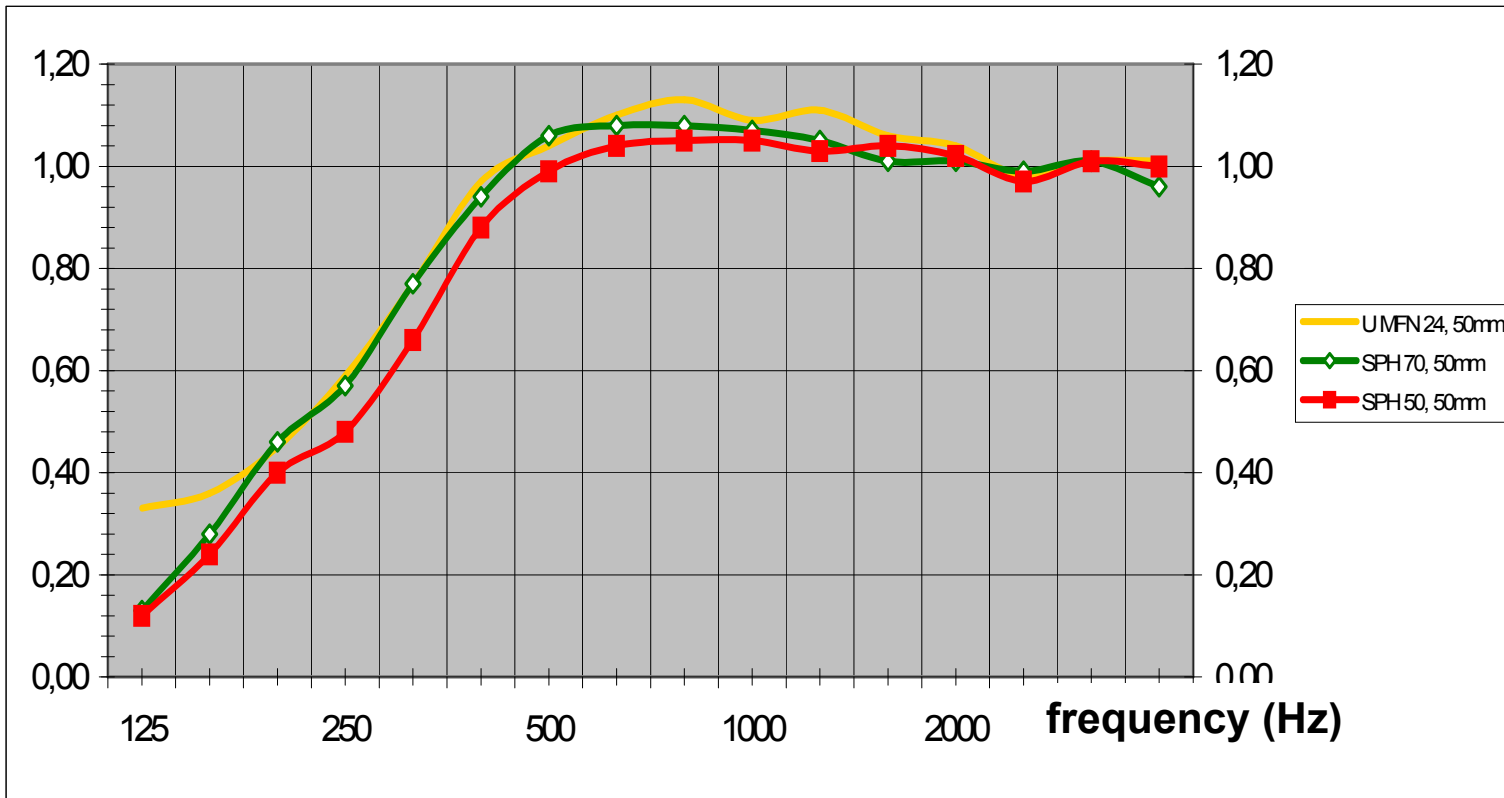


ULTIMATE - acoustical absorption

comparison 1:

ULTIMATE (density 24 kg/m³)
stone wool (density 50 kg/m³)
stone wool (density 70 kg/m³)



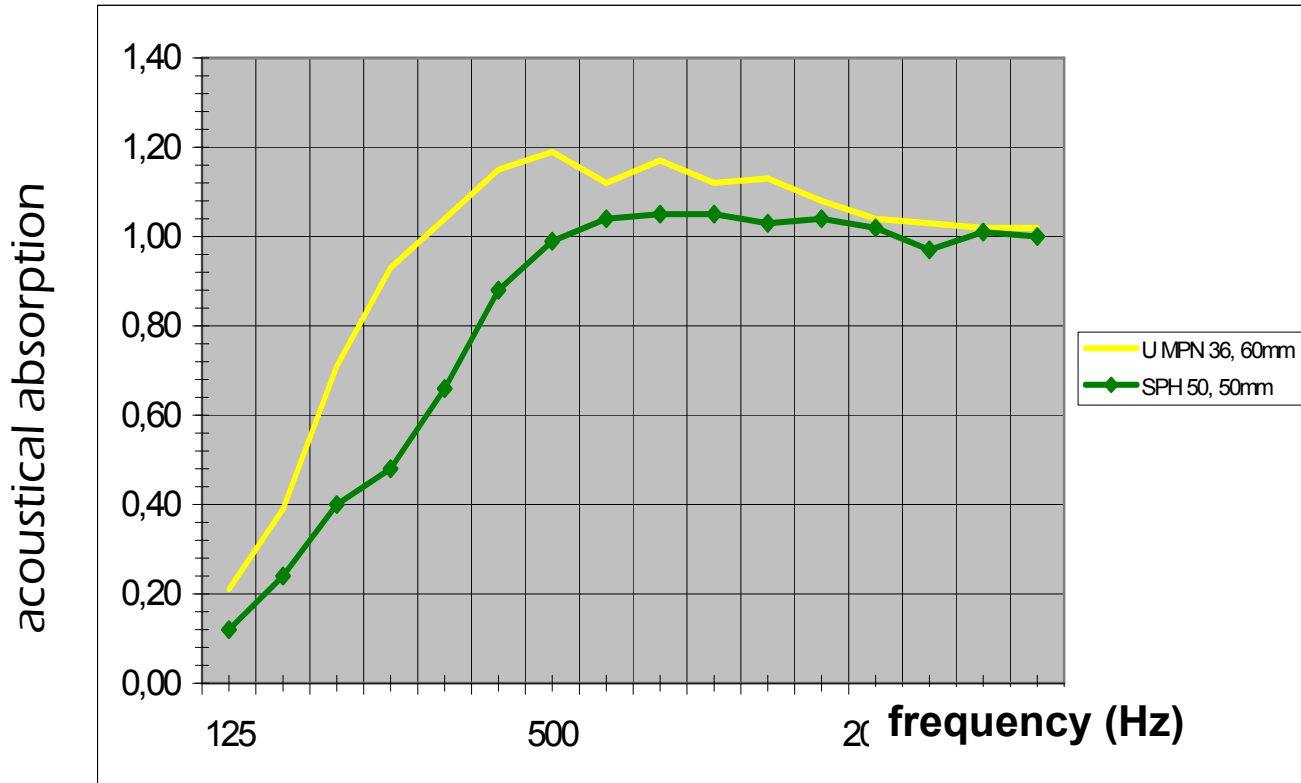
acoustical absorption due to the frequency (Hz)

	125	250	500	1000	2000	4000
U MFN 24, 50mm	0,33	0,59	1,04	1,09	1,04	1,01
SPH 50, 50mm	0,12	0,48	0,99	1,05	1,02	1,00
SPH 70, 50mm	0,13	0,57	1,06	1,07	1,01	0,96

Due to DIN EN 20354, ISO 354, Juli 1993

comparison 2:

ULTIMATE (density 36 kg/m³)
stone wool (density 50 kg/m³)



acoustical absorption due to the frequency (Hz)

	125	250	500	1000	2000	4000
U MPN 36, 60mm	0,21	0,93	1,19	1,12	1,04	1,02
SPH 50, 50mm	0,12	0,48	0,99	1,05	1,02	1,00

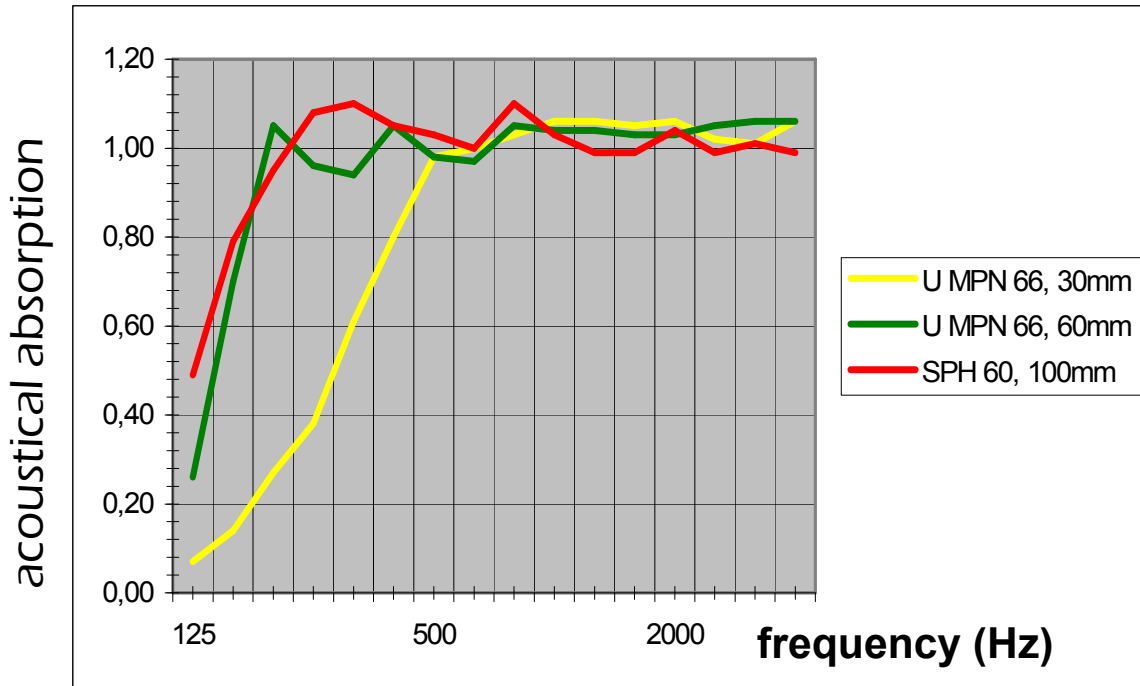
Due to DIN EN 20354, ISO 354, Juli 1993

comparison 3:

ULTIMATE (density 66 kg/m³, 30mm)

ULTIMATE (density 66 kg/m³, 60mm)

stone wool (density 60 kg/m³, 100mm)



acoustical absorption due to the frequency (Hz)

	125	250	500	1000	2000	4000
U MPN 66, 30mm	0,07	0,38	0,98	1,06	1,06	1,06
U MPN 66, 60mm	0,26	0,96	0,98	1,04	1,04	1,04
SPH 60, 100mm	0,49	1,08	1,03	1,03	1,04	0,99

Due to DIN EN 20354, ISO 354, Juli 1993