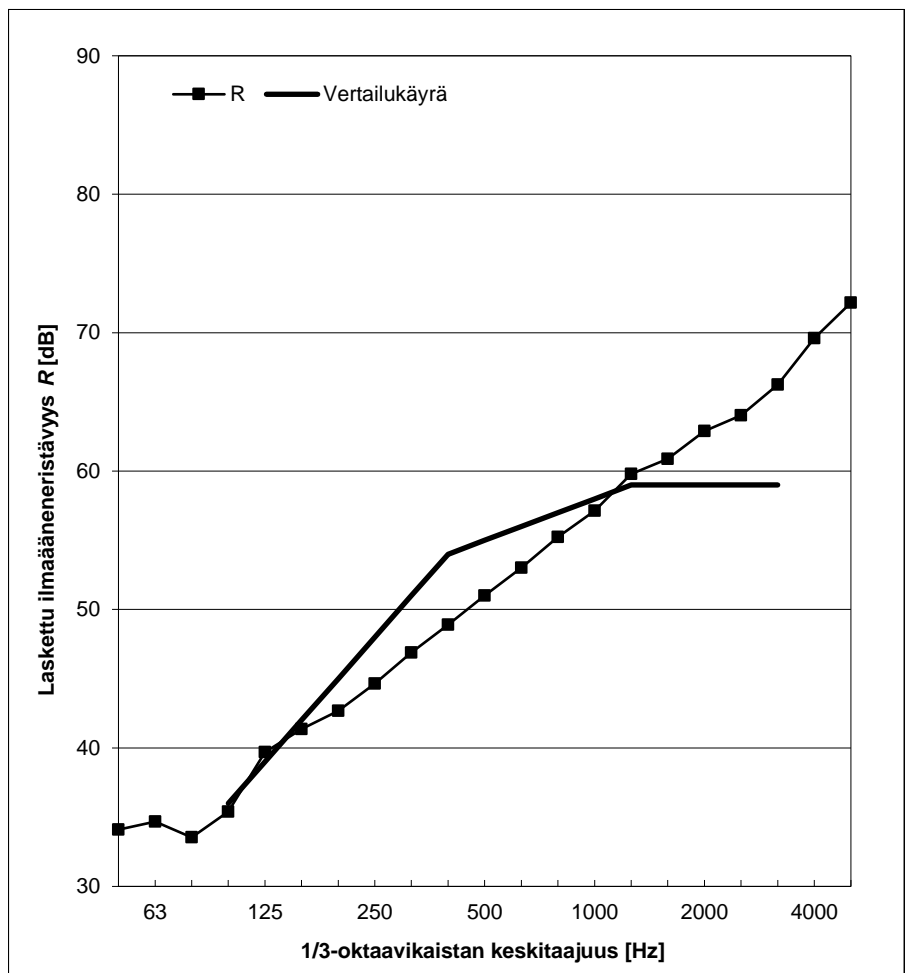


Rakenteen VP5 ilmaääneneristävyys

| Rakennekerros | d |
|--|-----------------|
| 1 PhoneStar ST TRI | 12,5 mm |
| 2 PhoneStar ST TRI | 12,5 mm |
| 3 CLT180 | 180 mm |
| 4 Koolaus k400 / pehmeä huokoinen eriste 50 mm | 50 mm |
| 5 Palokipsilevy 15 mm, pintamassa 12,8 kg/m ² | 15,4 mm |
| 6 Palokipsilevy 15 mm, pintamassa 12,8 kg/m ² | 15,4 mm |
| Rakenteen paksuus yhteensä | 285,8 mm |

| f [Hz] | R (1/3) [dB] | R (1/1) [dB] |
|--------|--------------|--------------|
| 50 | 34,1 | |
| 63 | 34,7 | 34,1 |
| 80 | 33,5 | |
| 100 | 35,4 | |
| 125 | 39,7 | 38,1 |
| 160 | 41,4 | |
| 200 | 42,7 | 44,4 |
| 250 | 44,7 | |
| 315 | 46,9 | |
| 400 | 48,9 | 50,7 |
| 500 | 51,0 | |
| 630 | 53,0 | |
| 800 | 55,2 | 57,0 |
| 1000 | 57,1 | |
| 1250 | 59,8 | |
| 1600 | 60,9 | 62,4 |
| 2000 | 62,9 | |
| 2500 | 64,0 | |
| 3150 | 66,2 | 68,7 |
| 4000 | 69,6 | |
| 5000 | 72,2 | |

S = 10 m²



Lasketut ilmaääneneristysluvut:

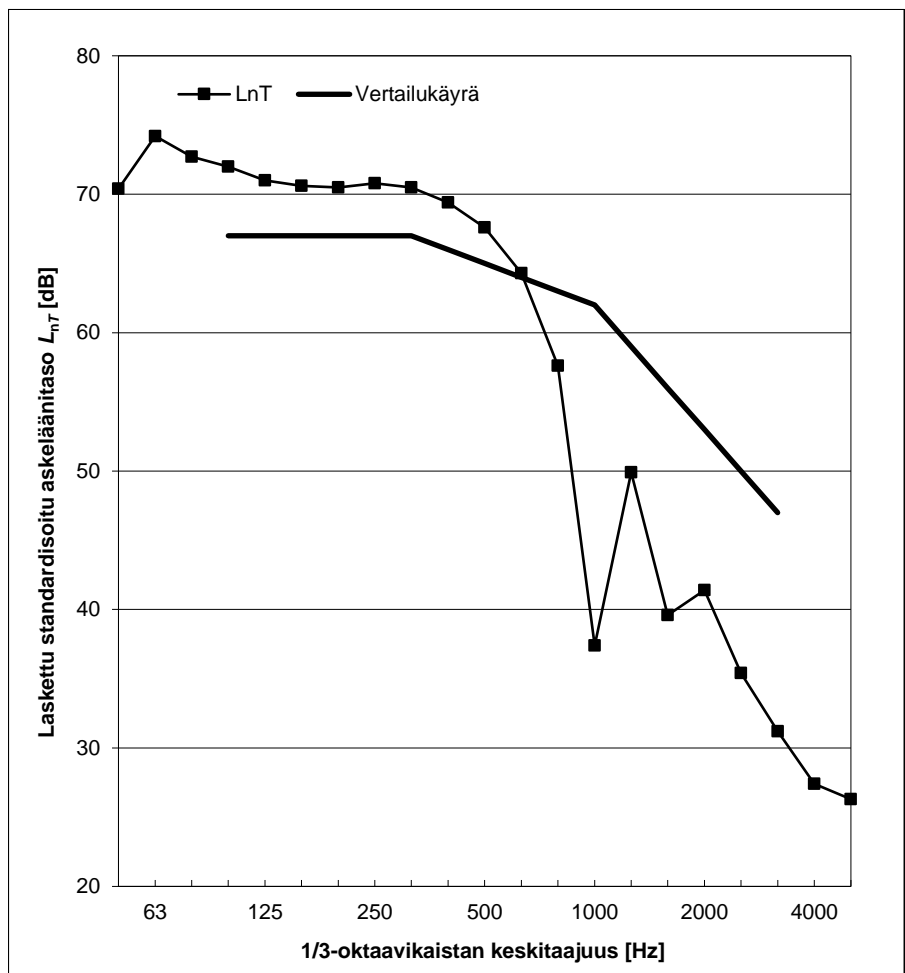
| | | | |
|--|----------------------------------|----------------------------------|-----------------------------------|
| $R_w (C; C_{tr}) = 55 (-1; -5) \text{ dB}$ | $C_{50-3150} = -2 \text{ dB}$ | $C_{50-5000} = -1 \text{ dB}$ | $C_{100-5000} = 0 \text{ dB}$ |
| | $C_{tr,50-3150} = -7 \text{ dB}$ | $C_{tr,50-5000} = -7 \text{ dB}$ | $C_{tr,100-5000} = -5 \text{ dB}$ |

Rakenteen VP5 askelääneneristävyys

| Rakennekerros | d |
|--|-----------------|
| 1 Pehmeä matto | |
| 2 PhoneStar ST TRI | 12,5 mm |
| 3 PhoneStar ST TRI | 12,5 mm |
| 4 CLT180 | 180 mm |
| 5 Koolaus k400 / pehmeä huokoinen eriste 50 mm | 50 mm |
| 6 Palokipsilevy 15 mm, pintamassa 12,8 kg/m ² | 15,4 mm |
| 7 Palokipsilevy 15 mm, pintamassa 12,8 kg/m ² | 15,4 mm |
| Rakenteen paksuus yhteensä | 285,8 mm |

| f [Hz] | L _{nT} (1/3) [dB] | L _{nT} (1/1) [dB] |
|--------|----------------------------|----------------------------|
| 50 | 70,4 | |
| 63 | 74,2 | 77,5 |
| 80 | 72,7 | |
| 100 | 72,0 | |
| 125 | 71,0 | 76,0 |
| 160 | 70,6 | |
| 200 | 70,5 | |
| 250 | 70,8 | 75,4 |
| 315 | 70,5 | |
| 400 | 69,4 | |
| 500 | 67,6 | 72,3 |
| 630 | 64,3 | |
| 800 | 57,6 | |
| 1000 | 37,4 | 58,3 |
| 1250 | 49,9 | |
| 1600 | 39,6 | |
| 2000 | 41,4 | 44,2 |
| 2500 | 35,4 | |
| 3150 | 31,2 | |
| 4000 | 27,4 | 33,6 |
| 5000 | 26,3 | |

S = 10 m²



Lasketut askeläänitasoluvut:

| | | | |
|--------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|
| L_{n,w} = 65 dB | C_{1,50-2500} = 2 dB | L_{nT,30m3,w} = 65 dB | C_{1,50-2500} = 2 dB |
| | | L_{nT,60m3,w} = 62 dB | C_{1,50-2500} = 2 dB |