ℹ️ SOUND INSULATION EXAMPLES
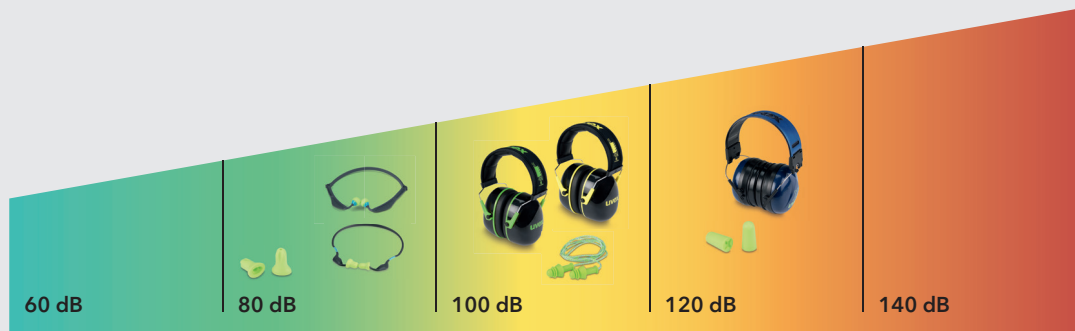
Using a calculation example we will show you how easy it is to find out the residual sound level. The goal is to reach a value of less than 80dB in order to sufficiently protect the hearing. The diagram shows various noise zones with practical examples for easier orientation.

EXAMPLE FOR THE CALCULATION OF RESIDUAL SOUND LEVEL:

Noise level   100 dB
uvex x-fit, SNR*   - 24 dB
          = 76 dB

60 dB	80 dB	100 dB	120 dB	140 dB

60 dB

Normal conversation

80-85 dB

Milling machine, lathe, drilling machine

105 dB

Impact wrench

140 dB

Jet engine

*SNR = Single Number Rating, indicates the attenuation value of the respective hearing protection device.