

**Client** 4AD  
**Architect** aRCHITEC  
**Completed** 2004  
**Volume** 950 m<sup>3</sup>  
**Audience** 300  
**Reverberation time** 1.0 s

4AD is a music club for contemporary rock music. The new concert hall is located in a small existing industrial hall, in the middle of a very quiet residential neighbourhood in Diksmuide, Belgium. Adequate sound absorption was added to the hall to create good room acoustics for amplified music.

The main challenge was the sound insulation with respect to the neighbouring houses. The desired sound level of 110 decibels in the hall and the permitted sound level of 20 decibels outside the building, at very close distance, required a sound insulation of 90 decibels for rock music. This was accomplished by 'wrapping' a new hall around the existing hall.

Apart from the formidable sound insulation that was achieved, the new hall also provides access to and storage facilities for the existing hall.

