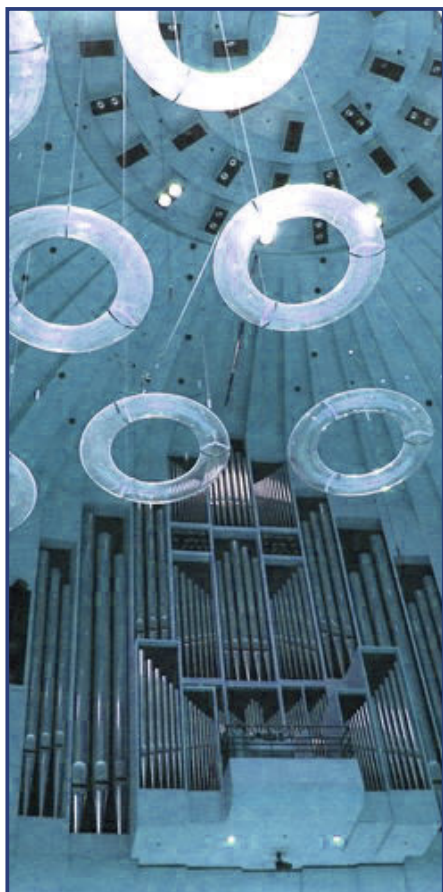
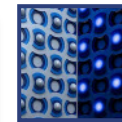
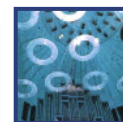




Building Acoustics



Architectural and Building Acoustic Design

Building Acoustics, or Architectural Acoustics, design and testing is a key specialism of Dragonfly Acoustics.

Our acoustic consultancy team offers a construction review service and can assist in the design of the acoustics of any building from the initial concept stage.

We have worked on projects as diverse as medical facilities, hotels, residential houses, flats and interview suites, always ensuring the acoustic separation between rooms meets both the regulatory requirements and the standards of the client.

For residential dwellings, in particular, the acoustic performance of walls and floors between dwellings and the internal partitions within a dwelling is regulated by Approved Document E of the Building Regulations 2000. By streamlining the process we can help minimise build costs and ensure that the internal structures comply with the requirements of these Regulations.

Environmental and sustainability issues are increasingly important and we strive to ensure our clients gain every advantage for their developments. We specialise in meeting the requirements of the Department for Communities and Local Government Codes for Sustainable Homes (EcoHomes) or The Building Research Establishments Ecohomes scheme (BREEAM).

Sound Insulation Testing

Once completed our acoustic consultants can undertake Sound Insulation tests on the development to ensure all client and building regulations requirements are complied with.

More information about Sound Insulation Testing (also referred to as Sound Testing or Noise Testing) is available on our [Sound Insulation Testing](#) page.

Building Regulations Performance Standards for Dwelling-Houses and Flats

Airborne sound insulation $D_{nT,w} + C_{tr}$ dB (Minimum Values)		Impact sound insulation $L_{nT,w}$ dB (Maximum Values)	
New Build	Formed by Material Change of Use	New Build	Formed by Material Change of Use
Walls		Walls	
45	45	--	--
Floors and Stairs		Floors and Stairs	
43	43	62	64