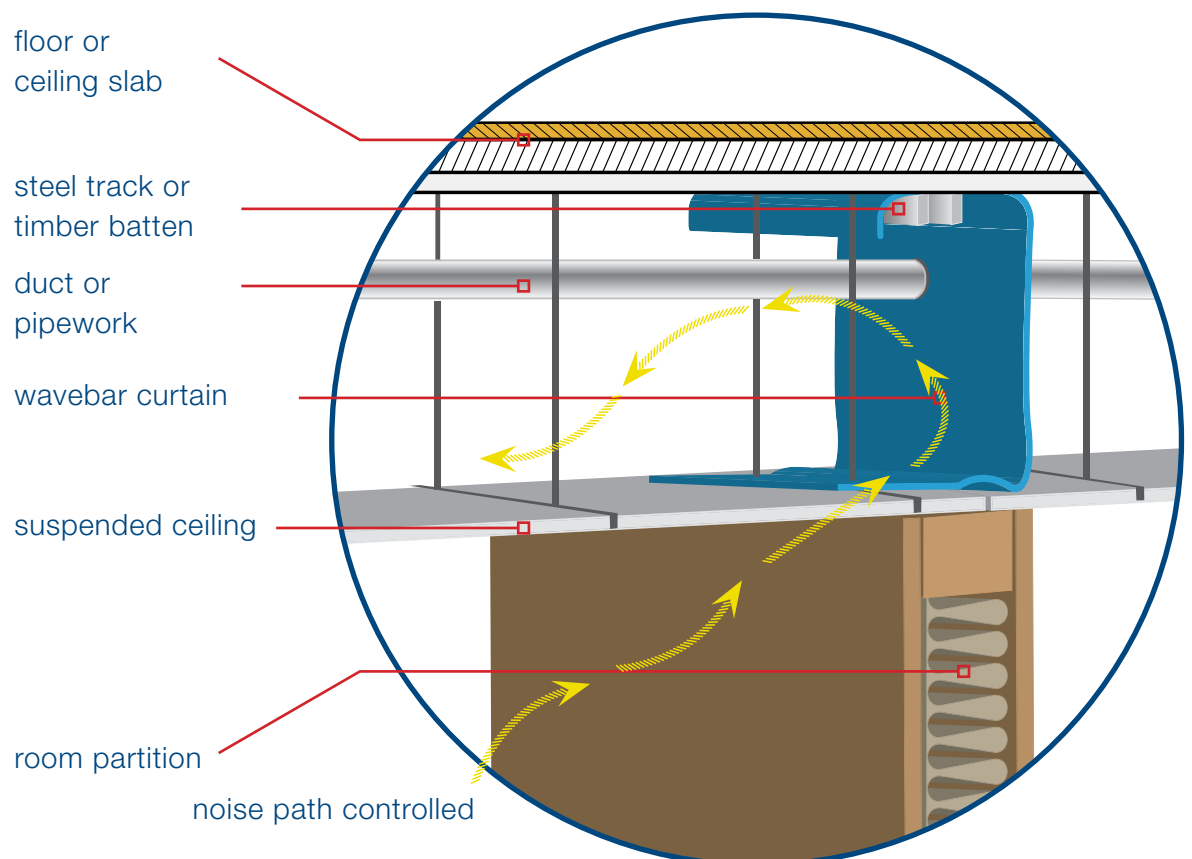


WAVEBAR

**reduces cross talk
ceiling noise
dramatically**

wavebar barriers are dense,
flexible curtains that reflect noise

- more flexible, practical and economical than full height partitions
- improves confidentiality by virtually eliminating noise from adjacent rooms
- provides cross talk privacy and peace of mind in director's offices, board rooms
- consultation rooms, computer rooms, hallways, nurseries, etc.
- easy to install - ideal for refurbishments. Simply suspend from slab to ceiling tiles, no additional framework is necessary.
- proven project history - wavebar has been utilised in office fitouts and refurbishments for more than three decades as a safe and reliable way to reduce room-to-room noise transmitted via a common ceiling.

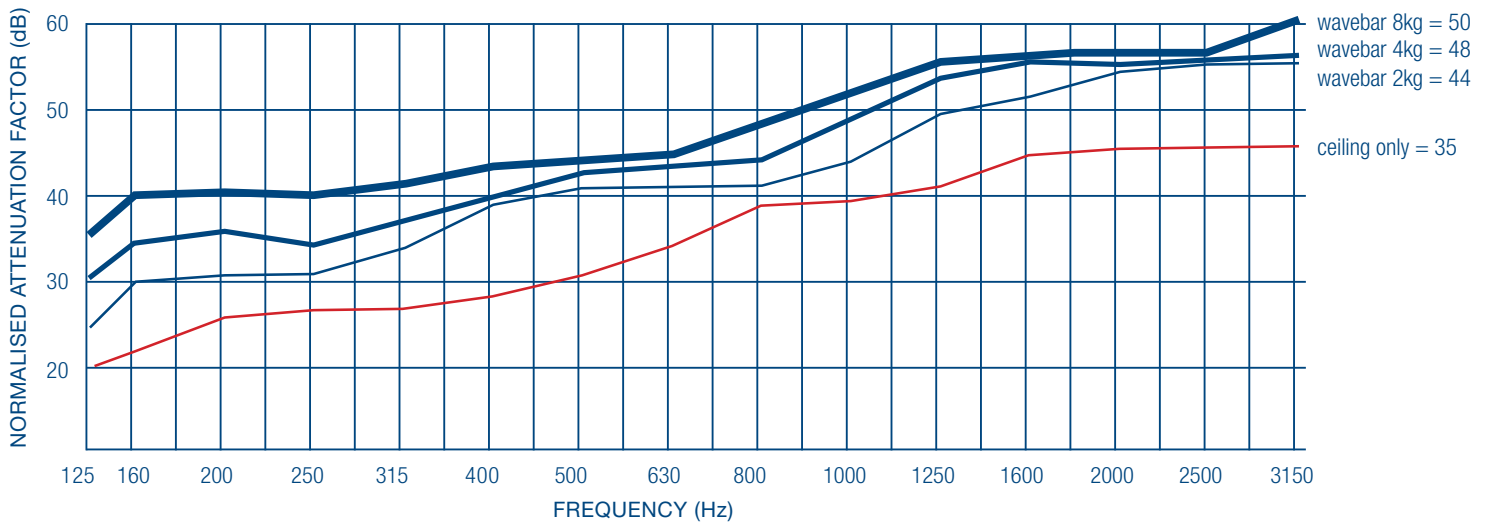


The following figures represent the tested room-to-room transmission loss achievable when wavebar is utilised in the ceiling plenum between the partition/ceiling and the slab

WAVEBAR

acoustic data

- no wavebar - CAC = 35
- wavebar 2kg - CAC = 44
- wavebar 4kg - CAC = 48
- wavebar 8kg - CAC = 50



The above figures have been documented as a result of a testing program completed at an accredited laboratory.

room-to-room transmission loss via ceiling void is expressed in terms of ceiling attenuation class (CAC)

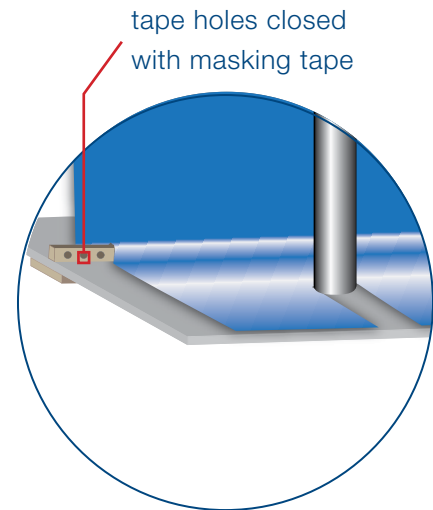
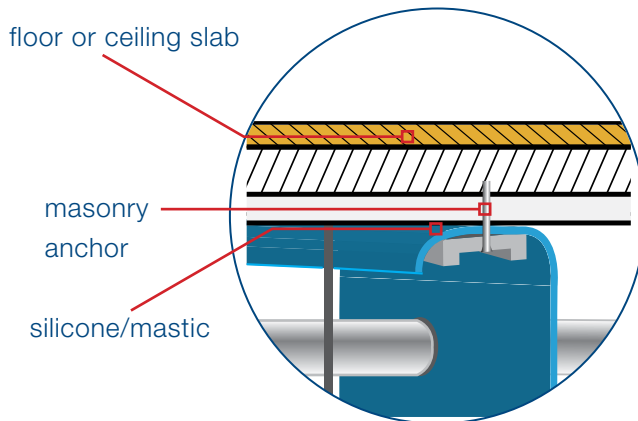


WAVEBAR

installation

1 installation to slab

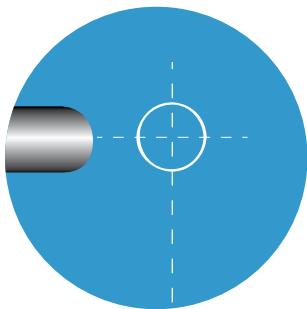
fix metal track or batten and wavebar to slab by mechanical means (masonry nails). Silicone/mastic is recommended to ensure an acoustic seal between wavebar and slab



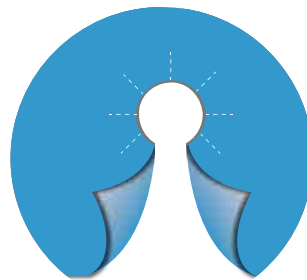
2 installation to ceiling

allow wavebar to drape down onto ceiling on both sides of the ceiling grid. Cut around ceiling suspension hangers.

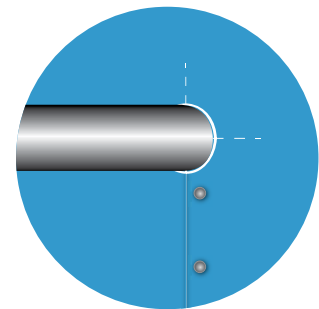
3 installation around pipework or ducting



a cut a slit from edge of sheet to pipework location. cut flange lines to diameter of pipe



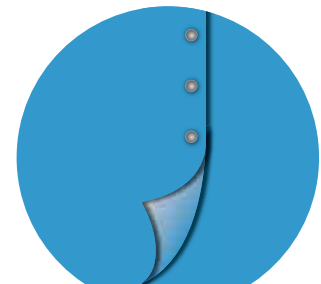
b move pipe or wavebar into location before closing flaps behind the pipe



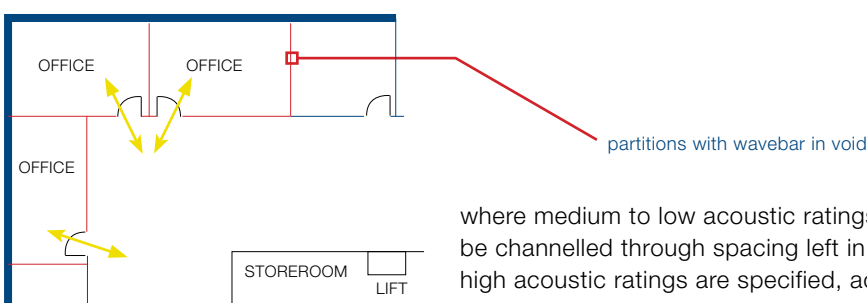
c ensure all junctions of ducting and wavebar are securely taped, mechanically fixed or sealed with plasticiser resistant mastic

4 installation joins

joins should be overlapped by a minimum of 50mm and firmly secured by screws/rivets every 100mm or join with plasticiser resistant mastic



5 return air plenums (suggested treatments only)



where medium to low acoustic ratings are required return air flow can be channelled through spacing left in baffle above doorways. Where high acoustic ratings are specified, acoustic ducting should be used.

WAVEBAR

ordering

Product	Roll width	Roll length	Roll diameter	Weight
wavebar 2kg/m ²	1380mm	10m	200mm	28kg
wavebar 4kg/m ²		5 or 10m		28 - 56kg
wavebar 8kg/m ²		5m		52kg

specifications

- MATERIAL**
 The acoustic sound barrier shall be wavebar mineral loaded PVC as supplied by Pyrotek, comprising barium powder spread evenly throughout and encapsulated withing a flexible PVC sheet supported by a polyester fabric. The density shall be a minimum of 1.8g/cm³.
- PERFORMANCE**
 The wavebar barrier shall be 2kg to achieve 44 CAC, 4kg to achieve 48 CAC, 8kg to achieve 50 CAC as documented by full test reports from an accredited laboratory.
- INSTALLATION**
 The wavebar barrier shall be installed in strict accordance with the manufacturer's recommended procedures as detailed in this wavebar brochure. Care must be taken to seal around pipe or duct penetrations to eliminate sound leakage.

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