

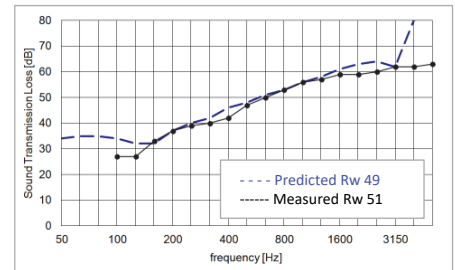
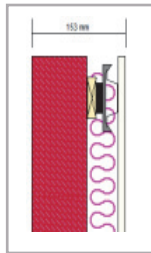


Today's world is moving towards lighter and quieter Architectural products. Considering this need, Alfa Acoustics has started design and simulation services for the Architectural products. Now it is possible to design drywall partitions, Glass partitions, Glass Glazing, Ceiling along with false ceiling and flooring with better accuracy. Alfa Acoustics is now having in-house simulation facility and domain knowledge required to design these Architectural products. Alfa Acoustics can also take care of On-site testing of these systems and can also provide consultancy for Architectural products.

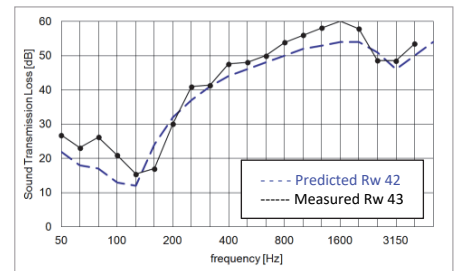
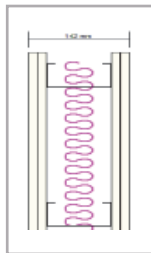


Some of the Applications

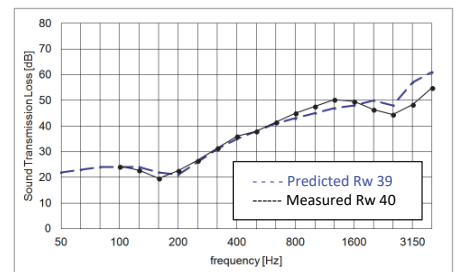
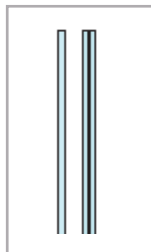
Example 1 - Lined Brickwork
Clay brick (90mm thick) with 1 layer of 16mm plasterboard fixed to acoustic clip and 25mm glass wool blanket in cavity.



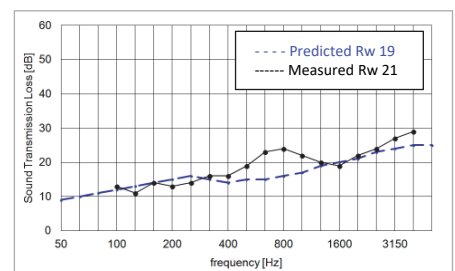
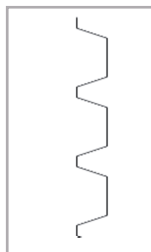
Example 2 - Steel Stud Partition
2 layers of 13mm type X plasterboard each side of 90mm timber studs. Blanket in cavity.



Example 3- Glazing
5mm monolithic glass with 16mm air gap and 8.8mm Laminated glass



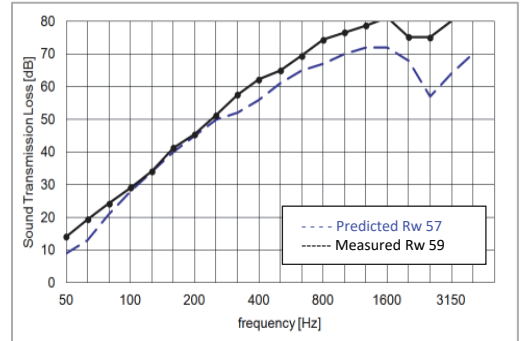
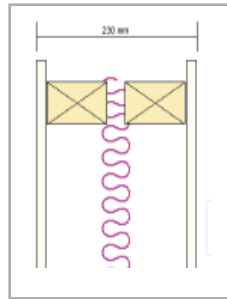
Example 4 - Profiled Steel Sheet
corrugated steel sheet- 0.7mm





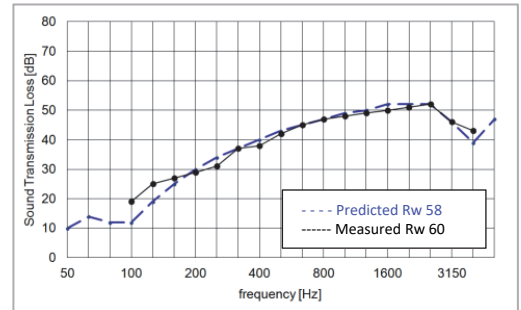
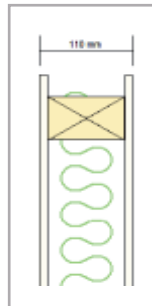
Example 4 - Twin framed wall

1 layer of 16mm fire rated plasterboard each side of separate 90mm studs. Cavity depth of 200mm. 90mm Glass wool blanket in cavity.



Example 5 - Timber stud partition

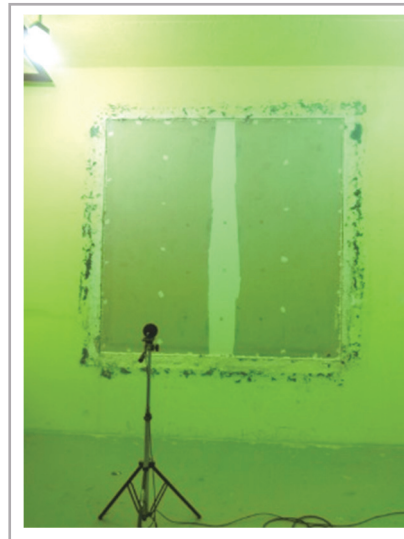
1 layer of 10mm sound rated plasterboard each side of 90mm timber studs Glass wool in cavity



Testing of Drywall Partitions as per ASTM E90 / ISO 10140



Source Chamber



Receiver Chamber

Projects

- Design and Testing of Drywall Partition for STC 50
- Design and Testing of Drywall Partition for STC 53
- Design and Testing of Drywall Partition for STC 57
- Design and Testing of Drywall Partition for STC 60