

122 WAVERLY AVENUE BROOKLYN, NY, USA

Achieving Acoustic Excellence
in Mass Timber Buildings

PREFACE

The 122 Waverly Avenue project, a mid-rise residential building in Brooklyn, NY, was designed to meet strict acoustic and sustainability standards. As the second phase of the 283 Greene Avenue development, the Waverly project sought to replicate the success of its predecessor. Acoustic tests from the Greene Avenue project yielded excellent results, and with no resident complaints since its completion, the developers confidently chose to apply the same approach for the Waverly project. We are proud to have also participated in the **first field KIJ test with a dry topping in a mass timber building, in collaboration with HGC Noise Vibration Acoustics.**

CHALLENGE

The main challenge for the 122 Waverly Avenue project was to :

- *Achieve exceptional sound insulation while preserving the architectural appeal of exposed mass timber elements.*

With strict building codes for acoustics and the need to enhance living comfort, the developers required a solution that would seamlessly integrate into the building's design without adding significant weight or complexity to the construction process.

ACTION

AcoustiTECH provided tailored consultation and recommended the use of the **AcoustiTECH Lead 6** and **AcoustiTECH SOFIX** system, proven to meet both acoustic and structural requirements. This system offered high-performance sound insulation while allowing for a lightweight, dry-topping construction approach. AcoustiTECH worked closely with the project team from the planning stages, providing on-site support to ensure efficient installation and optimal acoustic performance throughout the building.



PROJECT SPECIFICATIONS

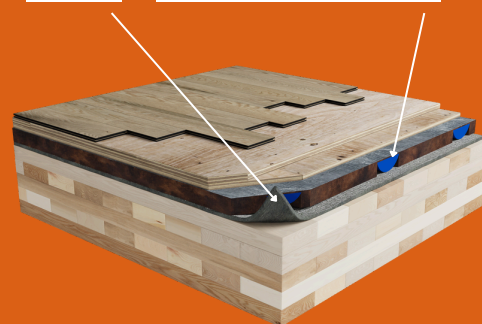
- **Total Area Delivered by AcoustiTECH** : 30 000 sq. ft.
- **Storeys** : 5
- **Construction Type** : 5-ply Mass Timber (CLT) with exposed ceilings
- **Completion** : 2020

KEY STAKEHOLDERS

- **Architects** : Brent Buck Architect
- **Developer** : CV Partners
- **General Contractor** : CMA
- **Acoustic Engineer** : Houghton Associates
- **Flooring** : Direct Flooring
- **Mass Timber Supplier** : Element5

ACOUSTIC SOLUTION

- **Acoustic System** : AcoustiTECH Lead 6 + AcoustiTECH SOFIX



EXPECTED RESULTS

While the project is still ongoing and testing has yet to be completed, the integration of the [AcoustiTECH Lead 6](#) and [AcoustiTECH SOFIX](#) system is expected to deliver outstanding acoustic performance. The system is anticipated to meet—and potentially exceed—the target results, including significantly reduced noise levels and improved sound insulation. These enhancements will contribute to a quiet, more comfortable living space for residents.



"For over 25 years, we've been developing high-performance acoustic and structural solutions. Our mission is to help our customers realize their vision by optimizing the acoustics of their projects."

Vincent Moreau

Co-owner - Executive Vice-President Sales
Innovation & Strategic Development - Sustainability Ambassador
AcoustiTECH

CONCLUSION

The 122 Waverly Avenue project underscores AcoustiTECH's expertise in delivering tailored acoustic solutions for residential buildings. As with the 283 Greene Avenue project, this development sets a new standard for mid-rise constructions, combining aesthetic design with superior functionality. Looking to enhance the acoustic performance of your next project? Contact AcoustiTECH today to discover how our solutions can meet your design and acoustic goals.

TO LEARN MORE ABOUT THIS PROJECT

<https://www.woodworksinnovationnetwork.org/en-ca/projects/118-waverly-avenue>