



CASE STUDY

Western Avenue, Market Harborough

Product: GYPDECK 28
Quantity: 400m²
Build Type: Timber Frame



GYPDECK 28

The Western Avenue development in Market Harborough is a new residential build comprising nine flats, offering a mix of one- and two-bedroom apartments. Each unit features an open-plan kitchen, living, and dining area, along with a modern bathroom. The project was delivered by Sound Construction.

During the design development, a robust detail flooring approach was initially considered for the timber frame apartments. Unfortunately, the scheme couldn't use the existing robust detail's due to the external flanking wall constructions being 'full fill' rigid PIR insulation, which is not covered under existing robust details for 'dry screed' floor systems.

Resonate were on hand to help guide them with specification advice that ensured the thermal performance of the fabric of the build wasn't compromised whilst excellent acoustic separation was achieved across the scheme.

Average Results of Onsite Pre Completion Testing

Airborne Sound Performance DnT,w + Ctr	56dB
Impact Sound Performance LnT,W	54dB

GYPDECK 28 was used throughout as the floating floor treatment, with RESOBAR 30 used in the ceilings for enhanced isolation and separation. With extra attention to junction detailing the scheme managed to achieve outstanding acoustic test results, exceeding Building Regulations by an average of 11dB for airborne sound and 8dB for impact sound (see table for more details). This represents a significant success for the project and ensures a high level of comfort for future occupants.

The combination of technical guidance and product reliability made GYPDECK 28 a valuable component in the successful delivery of this residential development.

James Goulding of Sound Construction commented:

From our perspective, we found the product very good to work with. It was easy to lay and went together well. It is worth noting that the boards are heavy, so logistics and handling need to be planned accordingly, although this is no worse than standard plasterboard. Performance-wise, the system clearly delivered, with excellent results achieved on site.

Resonate were easy to work with and very accommodating throughout. Richard is extremely knowledgeable about the product and was always available to provide support.