

## The challenge

Key elements to be considered were height and weight. The challenge was to provide a strong thin screed to level up very uneven floors over 6 stories.

Brownsfield Mill, Manchester, is an early nineteenth century room and power mill constructed in 1825. Urban Splash were the developers, Original features, including timber, cast iron columns, and brickwork, were to be retained throughout. The apartments are being kept deliberately large to offer dual aspect, with views of both the Rochdale canal and Manchester city centre from a number of the flats.

## The solution

Using battens to relevel the old wooden floor, the Lewis Deck was then laid on a separate acoustic layer. Each 1000m<sup>2</sup> floor was pumped in a day to a thickness of only 42mm. This thin floor system gave an overall additional weight of circa 85 kgs/m<sup>2</sup>, which was crucial to the build-up and floor ceiling height requirements.

This floor system allowed the project to reduce the weight of the floor, keep the ceiling heights whilst achieving a strong acoustic, solid floor to these new apartments.

## Results



## Brownsfield Mill

### Type of Project:

Refurbishment

### Date:

December 2018 - October 2019

### Location:

Manchester

### Applied m<sup>2</sup>:

Circa 6,000 m<sup>2</sup>:

### Technology applied:

Gyvlon ECO 42mm

### Substrate:

Timber

### Screed supplier:

Marshalls

### Screedlayer:

Flowing Floors