



EXPERT **SUPPORT** FOR EVERY STEP



THE SHARD

The 87 storeys of The Shard tower over 300 metres above the city of London, creating an iconic addition to the famous skyline. HSP provided a sub-floor solution that allowed for flexible movement of the wooden floor in response to heating and air conditioning.

The Problem

One of the most striking features of The Shard is its walls of windows stretching toward the sky with enough glass to cover eight football pitches. These provide huge amounts of light to the restaurants and offices, but also attract a great deal of sunshine, causing significant fluctuations in floor temperature.

Wooden flooring naturally expands in direct sunlight, and contracts when the air conditioning kicks in to restore the temperature balance. However, traditional flooring adhesives are rigid and do not allow for such expansion. To further complicate matters, the sub-floor was constructed two different materials, part metal and part plywood.

The HSP Solution

- Having previously worked successfully with HSP on the Canadian High Commission, the flooring contractor for The Shard knew we would have an effective solution.
- Marldon MXA200 wood floor adhesive was used to secure the wooden flooring throughout the offices and restaurants. This allows for flexible movement of wooden floors without compromising the performance of the adhesive.
- Marldon MXA200 wood floor adhesive had the added advantage of bonding equally well with both metal and plywood sub-floors, meaning that a single adhesive could be used throughout the installation, saving time and simplifying the work.
- The Shard has strong green credentials, having been constructed from 140,000 blocks containing over 50% recycled material. Marldon MXA200 wood floor adhesive fits well with such environmental awareness, as it is fully BREEAM accredited and certified EC1.