



EXPERT **SUPPORT** FOR EVERY STEP



CANADIAN HIGH COMMISSION

The Canadian High Commission, at Canada House in Trafalgar Square, is a key diplomatic building providing a wide range of services. HSP provided an acoustic solution with a low profile, which solved sound transference issues without creating new problems with floor height.

The Problem

The Canadian Embassy is a busy set of offices where sound reduction is essential, not only to avoid disturbing the staff below through footfall and chair movements, but also to prevent sound transfer from confidential or sensitive conversations.

Standard acoustic flooring solutions required a build-up of around 20mm, which would have caused significant problems for the embassy. Not only would this have required the fitting of steps into the rooms, but would also have involved significant extra work in lifting the floors.

The HSP Solution

- HSP worked collaboratively with both the flooring contractor and the architect to devise a solution that solved the acoustic problem without creating a further issue with the floor height.
- HSP recommended the StrataBase solution to provide noise reduction without adding significantly to the sub-floor thickness.
- The StrataBase solution used a 3mm underlay and a 1.5mm thickness of Marldon MXA200 Woodfloor Adhesive.
- The solution added just a quarter of the standard thickness, while providing effective sound reduction between floors.
- The Marldon MXA200 Woodfloor Adhesive used is VOC-Nil rated, fully BREEAM accredited and is certified EC1 under the GEV-EMICODE.
- The Strata underlay used has Zero global warming potential (GWP), Zero ozone depletion (ODP), is 100% recyclable and a high percentage of recycled content was used to produce this product.
- The flooring contractor has since used the same solution in the Shard restaurants and offices.