



PROJECT	Baker St Station, London Underground
LOCATION	London, England
CONTRACTOR	Henny Building Contractors Ltd
STAKEHOLDER	London Underground
PRODUCT	ARDEX DS60
SIZE	2500m ²
START DATE	August 2013
END DATE	September 2014



PROJECT REQUIREMENTS

Baker Street Station on the London Underground is 150 years old. It had countless historic cracks in the original terrazzo floors, as do many other stations in the underground network.

The renovations needed to be completed in overnight stints in order to keep the London Underground running so the products used needed had to be quick to install, with minimal drying times.

The project started with installers removing the old terrazzo and base bedding mortar. Then they repaired the old cracks in the base slab with epoxy, then making good levels again using bonded ARDEX A38. Once a reasonable area of screed was installed they laid a 400mm x 400mm x 15mm cement composite tile, direct to the screed. With a change in temperature, the old cracks came through again and it was determined a decoupling mat system was required.

ARDEX SOLUTION

The ARDEX DS60 Decoupling Mat is a unique tiling solution for domestic and highly trafficked commercial floors. It is a rubber membrane tiling isolation mat that is ideal for a hard wearing tile surfaces. Easily installed, tiling can begin immediately after installation of the ARDEX DS60 Decoupling Mat.

At Baker St Station, ARDEX DS60 was laid onto wet ARDEX X78S adhesive which was applied with a 4mm notch trowel to give a thin bed of adhesive. The tiles were then fixed onto the membrane, again using ARDEX X78S.

Contractors had to work overnight within the engineering shift which is only 3½ hours long. The contractors were able to lay up to 3m² per night or 120m² during a weekend station closure. There were 4 platforms to re-tile, a total of 2,500m².

The Baker Street Station installation was completed mid 2014 and was then subjected to intense independent testing over two nights to confirm to London Underground that the installation was sound. The installation including the DS60 passed with flying colours.

