With an ambitious and striking design, Galliard Homes Baltimore Tower is an exclusive residential development, offering coveted high-rise homes in one of the city’s most fast-paced districts.

**THE CHALLENGE**
The unique design of the tower means each apartment will come with its own curved balcony offering panoramic views of London. Specialist screeding contractor, TCS, brought Tarmac on board to help deliver the building’s floorplan. The project’s demanding technical requirements meant that a depth of just 30mm would be used on the floors; less than half the depth and weight of a cement solution.

**OUR SOLUTION**
Working Collaboratively with the project team from early on to understand the client’s requirements, Tarmac was able to design a customized, self-compacting blend of its Topflow screed A to help TCS deliver this complex and high profile project. Tarmac’s unique screed blend also had another important function; its strength. In order to deliver the 30mm thick screed without risk of cracking, it was necessary to provide a product with a 35N/mm² compressive strength and a flexural strength of F6. When Tarmac tested their blend of Topflow, they found that it surpassed specifications. Regular testing has proved that the screed provided, comfortably exceeds these requirements.

**RESULTS AND BENEFITS**
The reduction in depth meant that they cut the weight and volume of the Screed in the tower by more than 2,000T, equating to approximately 45T per floor; meeting the engineering requirements and reducing the number of truck movements needed to deliver the material by 25%. Compared to a standard 40mm floating screed installation, the 30mm screed allowed the client to maximize the headroom in the apartments. Because Topflow is much quicker to lay compared with more traditional alternatives, the team managed to cover an area of about 700m² per day. Because Topflow screed A is designed to be self-compacting, installation requires fewer people to smooth the floor.

For more details contact topflow@tarmac.com or call 0800 1218 218

©2015 Tarmac Trading Limited.