

# TECHNICAL INFORMATION

## TOPFLOW B&B and TOPFORCE B&B

Topflow B&B (self compacting concrete) and Topforce B&B (standard slump concrete) are bespoke NHBC compliant solutions for single dwelling housing sites that require structural toppings over Expanded Polystyrene (EPS) block & beam floors. For use in conjunction with NHBC 'Guidance on the use of Reinforcement to Concrete Toppings Above Beam and Block Floors' Issue 8 - 03/01/2018.

### APPLICATIONS

- Residential dwelling oversites/slabs
- Structural Toppings
- Domestic floors

### CHARACTERISTICS

- Enables rapid and effortless fabrication of slabs and floors
- Topflow B&B can eliminate the use of power floating on site
- High quality surface finish
- Floor finish tolerance of SR2 to BS8204-1 can be achieved with both concretes using BS compliant finishing practices.

### SPECIFICATION

Compressive strength at 28 days – 35N/mm<sup>2</sup>.

Topflow B&B Flow requirements- SF2 (650-750mm).

Topforce B&B Slump requirements S3 (target 120mm) or S4 (target 150mm).

Tarmac recommended thickness is in line with BBA certifications.

Topflow B&B maintains fluidity for up to two hours and will eliminate powerfloating.

Topflow B&B should be placed unbonded or floating.

Can be used in conjunction with traditional A142 mesh, Class II Polypropylene Macro fibres and Class II steel fibres.

Can be either pump applied or poured by any other equipment like machine bucket, skip etc.

Suitable for use as a structural topping over R1 type EPS blocks.

Compliant to the BBA certificates of all EPS block & beam flooring system suppliers.

Tarmac recommends referring to the British Precast Flooring Federation's Application Guide for the Specification and Installation of Concrete Toppings to Beam & EPS Block Suspended Floors.

It is the contractors responsibility to ensure that the structural topping is in compliance with BBA certification for the flooring system used on site. Different BBA certificates may specify different dosages or fibre types.

### TECHNICAL SUPPORT

Topflow is an NHBC approved product.

Topflow B&B and Topforce B&B can also be used as a screed/non-structural topping, over R2 type EPS blocks and concrete block & beam floors on NHBC and non NHBC sites.

Please refer to the Tarmac Topflow/Topforce technical & installation information on the website [www.tarmac.com](http://www.tarmac.com) or contact your local Tarmac representative.