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Agrément Certificate
21/5981
Product Sheet 99 Issue 2

SUPPLEMENT TO SF86 STEEL FIBRE AND DURUS EASYFINISH FOR BEAM AND BLOCK FLOORS

The following BBA-approved beam and block floor systems are compatible for use within the scope of Product Sheet 1 (SF86 Steel Fibre) and Product Sheet 2 (Durus EasyFinish) of this Certificate, for single-family dwellings (for suspended ground floors) only:

SF86 Steel Fibre and Durus EasyFinish

Table 1 Certificates with beam and block floor systems compatible with SF86 Steel Fibre and Durus EasyFinish .

Table 1 Certificates with beam

BBA Certificate number/Product Sheet (PS)	Certificate title	Company name	Minimum depth of concrete topping above the services
88/2059 PS3	Jetfloor Floor System	Forterra Building Products Ltd	70 mm
07/4411 PS1	Beamshield Plus and Platinum Beamshield Plus	Springvale EPS Ltd	75 mm
06/4369 PS1	TDeck EPS Panel System	Combined Thermal Solutions	75 to 80 mm
13/5021 PS1	Stylite T Beam and Stylite T Beam Plus	Styrene Packaging & Insulation Ltd	75 mm
16/5360 PS1	TS System	Rackham Housefloors Ltd	75 mm
17/5431 PS2	Warm Beam Top Sheet System (minimum grade of EPS top sheet is 120 kPa)	S and B EPS Ltd	75 mm
20/5829 PS1	Jablite Thermal Floor System Incorporating Structural Boards	Jablite Limited	65 mm

The BBA has awarded this Certificate to the company named above for the product described herein. This product has been assessed by the BBA as being fit for its intended use provided it is installed, used and maintained as set out in this Certificate.

On behalf of the British Board of Agrément

Hardy Giesler
Chief Executive Officer

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A detailed description of each floor system is given in the relevant Certificate. The SF86 Steel Fibre and Durus EasyFinish fibres at dosage rates of 7.5 $kg \cdot m^{-3}$ and 2.5 $kg \cdot m^{-3}$ respectively, must be incorporated in a system which is designed, installed and used strictly in accordance with Product Sheets 1 and 2 of this Certificate and the relevant floor system Certificate.

Prior to installation, a suitably qualified and competent engineer should assess the system to ensure that the floor design and detailing is adequate to resist the applied loads. SF86 Steel Fibre and Durus EasyFinish may be used in concrete toppings in single-family dwellings where the applied loads do not exceed the values shown in Table 2. The BBA has not assessed the product for use in communal areas of blocks of flats or commercial buildings, or where the design loads are greater than those stated in Table 2.

Table 2 Maximum characteristic loads for single-family dwellings

Description	Maximum characteristic loads for single-family dwellings
Imposed uniformly distributed load (UDL) ($kN \cdot m^{-2}$)	1.5(1)
Imposed concentrated load (kN)	2(1)(2)
Line load partition parallel and perpendicular to the beam ($kN \cdot m^{-1}$)	1(3) (4)
Allowance for moveable partition ($kN \cdot m^{-2}$)	1(3)
Finishes ($kN \cdot m^{-2}$)	0.5

(1) Imposed concentrated load must not be combined with the imposed UDL or other variable actions.
(2) Imposed concentrated load is assumed to be applied over a square plate not less than 50 by 50 mm.
(3) Either the imposed load for lightweight partitions (moveable) or line load partition must be considered.
(4) Non-load bearing partition walls heavier than 1 $kN \cdot m^{-1}$, in any orientation with respect to the concrete beams, must either be supported by the foundation or bear directly on the concrete beams.

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