

CONCRETE FILLER OR HOURDI BLOCKS

TECHNICAL SPECIFICATION

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| Dimension and Maximum Tolerances | Length \pm 3 mm Width \pm 3 mm Height \pm 3 mm | BS EN 772: Part 16 |
| Net density of blocks | The net density of each type and configuration of the filler blocks shall not deviate by more than \pm 10 % from the declared value. | BS EN 772: Part 13 |
| Compressive strength | The average compressive strength based on gross area of filler blocks and that of an individual specimen shall not be less than the values given below: Average - 3.2 MPa; Individual - 2.6 Mpa Designers may specify blocks of higher strengths than those given above, if required from design considerations. | BS EN 772: Part 1 |
| Drying shrinkage | The average drying shrinkage shall not exceed 0.06 %. | BS EN 772: Part 14 ASTM C426 |
| Water absorption | Table 2, ASTM C90 Water absorption shall be 20% or less of dry weight. | ASTM C140 |
| Chloride and sulphate content | When a sample of one block is tested in accordance with BS 1881: Part 124 the acid soluble chloride content (Cl) and the soluble sulphate content (SO ₃) shall not exceed 0.05 % and 0.5 % by mass of concrete respectively. | BS 1881: Part 124: 2015 |
| Fire Resistance | Fire resistance rating period of 2 hours to 4 hours | BS 476-20:1987 BS 476-22:1987 |