

BUILDING REGULATIONS PART L SOLUTION

Always start off on the right footing

STELLAR FOUNDATION 350

LIGHTWEIGHT AGGREGATE CELLULAR FOUNDATION BLOCKS

APPLICATIONS

Below DPC

SIZE

350mm x 250mm x 140mm

WEIGHT

16Kg @ 3% Moisture Content

MEAN COMPRESSIVE STRENGTH

7.3 N/mm²

PACK SIZE

48 Blocks per pack - 25.6 Blocks per m²

AMAZING
17%
SAVING
IN EMBODIED CO₂
OVER A SOLID FOUNDATION

Note that all outer faces of all the foundation areas display the solid sides of the foundation block.

The **STELLAR FOUNDATION 350** block is specifically designed to reduce weight and still achieve the technical requirements of a 350mm load-bearing masonry cavity wall construction. This unique design has a cellular element at its core that only runs through 90% of the length of the block. This means the block has a hole on one side, but has a solid face on the opposite end and also includes finger grips running along the edges for ease of handling.

The **STELLAR FOUNDATION 350** block is suitable for a minimum 125mm to a maximum 150mm wide cavity construction. When undertaking a cavity construction between 125mm & 140mm the inner and outer leaf are to be equally brought in from the outer edges.

With the exception of the corner detail, the cellular element of the **STELLAR FOUNDATION 350** block always sits underneath the insulation.

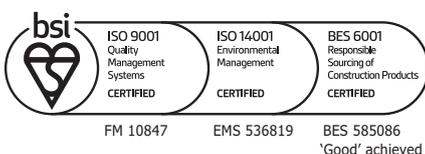
STELLAR FOUNDATION 350 can be used in Sulphate Soil Classification DS-1; DS-2; DS-3 in accordance with BRE Special Digest 1, and PD 6697 Table 15.

FOR ILLUSTRATION PURPOSES ONLY.

The image above shows the cellular element of the **STELLAR FOUNDATION 350** block. In reality, the blocks would be turned 180° and these leading edges would be the solid face which would be ready to take the mortar.

AUTHORITY

Stellar Foundation 350 blocks are manufactured in production facilities to BS EN 771-3, with third party accreditation under BSI as follows:-



Lightweight



Fire Resistant



Load-bearing



Sulphate Resistant



Low Shrinkage



technical helpline: 01977 673221


Plasmor
CONCRETE PRODUCTS

Courses in successfully laying **STELLAR FOUNDATION 350** LIGHTWEIGHT AGGREGATE CELLULAR FOUNDATION BLOCKS

YOUR LAYING GUIDE

The corner detail is staggered on each course creating an overlap, as illustrated in the images on the right. It is vital that the first corner block of each course has the cellular element of the block inward facing down the cavity, ensuring that the load-bearing inner leaf is on a solid foundation. Thereafter each block has the closed end outward as the leading face for the ease of mortar application.

When working with the **STELLAR FOUNDATION 350** block the outer faces of all the foundations area are solid.

Following the laying pattern of the first and second courses shown ensures staggered joints. It also guarantees that the load bearing inner leaf masonry is always on the solid element of the **STELLAR FOUNDATION 350**.

Where **STELLAR FOUNDATION 350** blocks are required to be cut, it is imperative that the solid end of the block remains in place and the open end is recycled.



A CUT STELLAR FOUNDATION 350 BLOCK

