



H+H UK Limited, Celcon House, Ightham, Sevenoaks, TN15 9HZ, UK

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HHUK-001a

**EN771-4:2011**

**Solar Celcon Plus Block**

Loadbearing and non-loadbearing applications in all forms of walling including single leaf, cavity, partitions, retaining and basements

Category II, autoclaved aerated concrete masonry unit

**Dimensions:** length 630mm, width marked on pack, height 215mm

**Dimensional tolerances:**

Category: TLMA

**Configuration:** Solid(Group 1 unit to EN1996-1-1)

**Compressive strength:** mean 2.9 N/mm<sup>2</sup>

(⊥ bedface, whole unit)(Cat II)

**Dimension stability:** moisture movement: 0.4 mm/m

**Bond strength (initial shear):** Fixed Value  
0.15 N/mm<sup>2</sup> with GPLM and 0.30 N/mm<sup>2</sup> with TLM

**Flexural Bond strength:** NPD

**Reaction to fire:** Euroclass A1

**Water absorption:** NPD

**Water vapour diffusion coefficient:** Fixed Value 5/10

**Gross density:** 460 kg/m<sup>3</sup>

**Thermal conductivity:** 0.10 W/mK ( $\lambda_{10,dry}$ )

**Durability:** For use above and below ground.