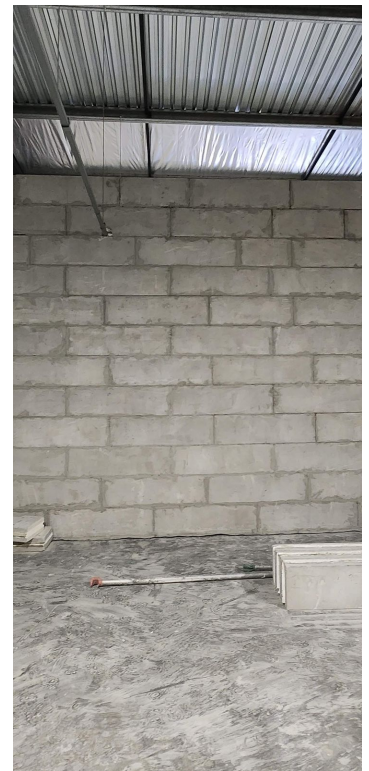


PRODUCT DESCRIPTION

LiteCore is Technopol's Agreement-certified walling system. Agreement South Africa certificate 2020/609 (Amended March 2021) covers it for one job, and covers it properly: a non-load-bearing infill wall inside an engineer-designed light-steel (SANS 517) or reinforced-concrete frame, single- and multi-storey, in all regions of South Africa. The certified external wall is 174 mm finished and carries an Agreement-assessed whole-wall thermal resistance of R 2.30 m²K/W. Blocks are 1200 x 340 mm and go up fast by hand in thin-bed adhesive, and the wall takes a conventional plastered, painted finish.

LITECORE BRICKS PROPERTIES

PROPERTY	VALUE
Block face size (all blocks)	1200 mm (L) x 340 mm (H)
External block	150 mm composite: 45 mm lightweight concrete + 60 mm CavityLite EPS core (15 kg/m ³) + 45 mm lightweight concrete
Internal block	100 mm solid foamed cement, no EPS core
Finished external wall	174 mm = 12 mm render + 45 + 60 + 45 mm block + 12 mm render
Finished internal wall	110 mm = 5 mm render + 100 mm block + 5 mm render
Interlock and bond	Tongue-and-groove profile along the top and bottom bed faces, full 1200 mm length. Laid in stretcher bond with LiteCore Bond thin-bed adhesive mortar.
Block density	400-450 kg/m ³
Mass per block	18 kg



Summary only — 15 further properties are given in the LiteCore Bricks datasheet.

APPLICATIONS AND SCOPE

APPLICATIONS

- Non-load-bearing infill walling inside a light-steel frame (SANS 517) or a reinforced-concrete frame, single- and multi-storey
- Dwelling houses and domestic residences (H3, H4), dormitories and hostels (H2).
- Places of instruction and places of worship (A3, A4).
- Offices (G1) and low- to moderate-risk commercial services (B2, B3).
- Small and large shops, wholesalers' stores (F1, F2, F3) and low- to moderate-risk industrial buildings (D2, D3).

WHERE NOT TO USE IT

- Not for any load-bearing role. The certificate states that the blocks are not suitable for load-bearing application and caps compressive strength
- Not for occupancy classes outside the certified list
- Not for wall panels larger than 3500 mm, and not for multi-storey work, unless a competent person takes design responsibility for them
- Not for use as a fire division where the authority requires furnace-tested minutes above 60
- Not for use where the contract calls for a laboratory-measured sound-reduction rating on the specific build-up