



BasementLiving Group

Increase Your Living Space

MEMBRANE RANGE

BLG8

BLG20

BLG Plaster

BLG Floor

BLG Foundation



The BLG range of cavity drain membranes are high quality waterproof basement tanking materials giving a wide choice of stud height (drainage capacity) and plaster finish (dry lining or wet plaster). For use on walls, floors, vaults and tunnels with minimal surface preparation required. Also suitable for external foundation waterproofing and to provide insulated dry lining for walls above ground level which may not be suitable for conventional plaster finishes

Description

BLG membranes are manufactured from high quality ('virgin') polymers - polyethylene (BLG20, BLG8, BLG Plaster) and polypropylene (BLG Floor) - all giving extremely low vapour permeability and high resistance to salts etc. Studs are formed in a regular pattern on one side to provide a range of drainage capacity options (see product specifications below). BLG **Plaster** studs are designed to provide a key for subsequent plastering (when used with BLG Plaster Plugs).

BLG membranes are suitable for use in type 'C' (drained protection) structural concrete constructions in accordance with BS 8102:1990, Clause 3.2.4



Products

BLG 20 is the highest drainage capacity membrane in the BLG range giving a void volume of 14 litres/m². Suitable for use on floors and walls in very wet situations or where the large stud height is desired to maximize insulation values. When used on floors BLG20 can normally be installed without the need for perimeter drainage channels and, when overlaid with concrete, the large diameter studs will give high point load resistance capabilities (150 kN/m²).

BLG 8 is a medium capacity drainage membrane (4 litres/m²) for floors and walls both above and below ground level. When used on basement floors it is recommended that perimeter drainage channels are provided to optimise the flow of ground water towards the sump location (see separate data sheet '**BLG Drainage Solutions**').

The recommended plaster finish for the above systems is dry lining on stud framing (timber or metal) fixed to BLG Brick Plugs. Alternatively, plasterboard can be erected using 'dot and dab' methods using **dab collars** to provide a physical bond for the board adhesive (see '**Finishing**' below). For floors, standard screeds can be applied (50 mm minimum) or T&G chipboard etc. (12 mm minimum, with absorbent layer for sound reduction).



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BLG Plaster is a specialist wall membrane for basements and other damp surfaces giving a low-medium drainage capacity (1.84 litres/m²). The 5 mm studs are uniquely designed so that, when the membrane is fixed using BLG Plaster Plugs, the walls can be plastered using conventional methods or 'dot and dab' plasterboard finishes. In basements, BLG Plaster can be used in combination with BLG8/BLG20 on the floor. Above ground, the low stud height enables BLG Plaster to be used as a remedial re-plastering system following insertion of a DPC where it is necessary to match-up to retained plaster at higher levels. Alternatively, in walls severely affected by damp/salts to a high level BLG Plaster can be used as a full-height damp proof membrane on walls ('ventilated system', see below). When using BLG Plaster all lap joints must be sealed with BLG overseal fibre tape.

BLG Floor is a low profile membrane (2 mm studs) specially designed for fast-track sealing of damp concrete at ground floor level – no need for extensive surface preparation normally required with liquid DPM systems (epoxies etc.) and no curing times before floor finishes can be applied. It may also be used on basement floors where the low stud height is critical to maintain ceiling clearance and special measures can be taken to ensure the floor drains freely via drainage channels both around and across the floor.

Basement Waterproofing with BLG Cavity Membranes is a means of achieving dry living space below ground without affecting the loads (water pressure) on walls and floors. However, it remains important that the basement to be tanked is structurally sound and stable (some minor vibration movement may be tolerated). Also, for the system to work under severe water ingress it is essential that the cavity drains to a suitable point (sump) where water can be removed. In order to select the best drainage system (whether tanking internally or externally) it is recommended that the type of soil is assessed and this information incorporated in to other features of a full basement survey by a competent damp proofing surveyor (CSRT/CSSW qualified).

Above Ground, BLG membranes are ideal for use as open (ventilated) linings to isolate damp walls/floors especially where aggressive salts are present and/or for 'fast track' projects where long drying times (often associated with conventional plaster finishes on damp walls) are unacceptable.

BLG Foundation is a geotextile lined cavity drain membrane specifically for foundation waterproofing of new structures below ground. It can be used as a 'protection board' in association with a primary waterproofing layer (e.g. BLG **Technoseal DPM**) or as a stand-alone system (in well drained soils or where some seepage is permitted e.g. earth retaining walls). The 7 mm stud provides a double drainage layer on either side of the membrane (2.3 litres per sq. metre between wall and membrane) thereby reducing dramatically the risk of water seepage affecting foundations. The geotextile on the outer face prevents soil particles clogging-up the boundary layer and ensures the french drains provided to carry water away from footings are kept operating efficiently. **NOTE:** In addition to BLG **Foundation** on walls, **BLG20** can be used as a drainage layer below concrete raft foundations as part of an integrated drainage specification. However, for the best possible waterproof construction under all ground water conditions we recommend an internal lining system with sump and pump. Please consult your local contractor for further details.

