



BUFFALO BLOCK



The Buffalo is proud to present our new Interlocking Concrete Buffalo Blocks.

Our interlocking blocks are quick and easy to use providing long term durability and strength solutions at low cost, low disruption and high flexibility. If you need a short build time then these are the blocks for you.

The blocks are often used for; material storage bays, blast walls, retaining walls, push walls, fire break walls, counter weights/kentledge, salt storage, silage clamps, industrial buildings, various temporary works, aggregate storage and much more.

All blocks are made using concrete which conforms to BS 8500-2 and all blocks comply with BS EN 1992.1.1:2004 Design of concrete structures. General Rules and Rules for Buildings. All Blocks are Class A1 fire resistant complying with clause 4.3.4.4 of EN 13369.

The blocks will hold the weight of 50N/mm²
The small block dimensions are 1200 x 600 x 600.
The large block dimensions are 1600 x 800 x 800.

CONCRETE DESIGN SPECIFICATION

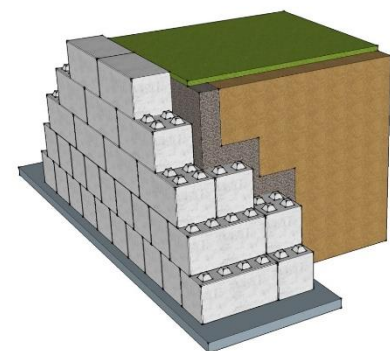
The Buffalo block Concrete (C32/40N) is prepared by blending CEMEX CEM1 52.5N (to BS EN 197) and aggregates (conforming to BS EN 12620).

The block concrete meets to the requirements of BS 8500, for a CEM III/A+SR, with additional attributes that:-

- Enhance sulphate resistance.
- Prevent damaging alkali silica reaction.
- Prevent delayed ettringite formation.
- Significantly reduce the rate at which deleterious chemicals, such as chlorides can penetrate the concrete, preventing other damaging reactions such as corrosion of embedded steel reinforcements.

Interlocking concrete blocks provide a solution for fire-safe site partitioning. The temperature rise on the non-exposed side of the concrete wall prevents fire from spreading horizontally, as heat transfer is so low for up to five hours.

The mix proportions are designed to achieve a mean strength in excess of 40N when the product is mixed to a target consistency of S2 (50-90mm) slump. The mixture has been designed to meet requirement of BS 8500 concrete.



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