



MATERIAL SAFETY DATA SHEET

Product Name:

Normal format, Plus and Jumbo Plus blocks; Foundation blocks, End blocks, Floor blocks and Coursing bricks, in the grades of Super Solar, Solar, Standard, Hi-Seven, and Hi-Ten^e,

Supplier:

H+H Celcon Limited

Description:

Autoclaved Aerated Concrete (Aircrete) building blocks

Application:

Celcon blocks are manufactured in various densities, strengths and sizes for use in construction (Building). They should be used as recommended in the H+H Celcon Limited technical literature accompanying products, or as available from the Technical Department (Tel: 01732 880580).

Composition of Products:

The following materials are employed in the manufacture of these products

Cement (OPC), Lime, Pulverised Fuel Ash (PFA), Anhydrite, Aluminium Powder, Sand, Water.

Following manufacture, the components are not deemed to be hazardous within the meaning of the Health and Safety at Work etc Act 1974, nor are they chemically aggressive.

Personal Protective Equipment (PPE):

For the purpose of working with Celcon blocks, suitable personal protective equipment (e.g. safety footwear, head, eye and hand protection) should always be employed.

Where cutting of blocks is undertaken suitable eye, face, hand, respiratory and body protection should be employed by all persons involved in the operation. If cutting is undertaken by mechanical means (e.g. band saw, portable cut-off saw or angle grinder etc), the cutting equipment should comply with the relevant Statutory and Regulatory requirements and carried out only by suitably trained and competent persons.

Loose particles and dust that may arise from handling these products may cause irritation if allowed to enter the eyes or respiratory tract. Suitable personal protective equipment (eye protection and respiratory protection) should be employed.

Health Hazards:

EYES

Effect: Abrasive discomfort and irritation

Protection: Suitable Goggles (BS2092)

First Aid: Flush copiously with clean water – if irritation persists seek medical advice

SKIN:

Effect: Abrasive. May cause skin irritation

Protection: Suitable PPE and Gloves

First Aid: Wash with soap and water – if irritation persists seek medical advice

INHALATION/INGESTION

Effect: Unlikely to be a problem

Protection: Suitable respiratory protective equipment – washing with soap/water before taking food and drink or smoking

First Aid: If ingested drink plenty of clean drinking water – if irritation of respiratory tract persists seek medical advice

Construction, Design And Management Regulations:

The following information is provided to assist clients, designers, planning supervisors and contractors in the discharge of their respective duties under the Construction (Design and Management) Regulations 1994.

For the purposes of formulating the Health and Safety Plan or File, it should be noted that the product is described as *Autoclaved Aerated Concrete (Aircrete)*.

Celcon blocks are delivered to site by road vehicles, for which suitable access and egress should be available. Where such access and egress is not available, deliveries will be made to the nearest available suitable location, subject to agreement with the client.

Storage: Blocks may be stacked on suitable hard and level surfaces to a maximum height of 4 packs. If components are to be stacked on uneven ground or on site, stacking should be limited to a maximum height of 2 packs. Consideration should also be given to the handling equipment to be employed on site as to its suitability for the terrain and its safety limits in respect of load. Hand operated pallet trucks are generally not suitable unless pallets specific for this purpose are employed and loads do not exceed the limits of the pallet truck, or its operator(s) in handling the load.

Stability of packaging may be affected by repeated handling and/or stacking of packs and/or where storage recommendations have been exceeded.

Care should be taken when opening packs that are wrapped or banded, to ensure that components do not fall or otherwise endanger persons handling or near them.

All waste packaging materials should be disposed of in accordance with local regulations.

Handling: Handling of blocks should be undertaken in accordance with HSE Construction Sheet No 37 'Handling Building Blocks' (*Construction Industry Advisory Committee*) and in accordance with the Manual Handling Regulations 1992. This concludes that there is a high risk of injury to individuals repetitively manually handling blocks over 20kg. Where individuals are required to repetitively manually handle blocks of over 20kg, lighter blocks should be specified or mechanical handling equipment employed to reduce risks of injury.

All persons are reminded that a suitable and sufficient assessment of risks must be made of all tasks to be carried out in accordance with the relevant Statutory and Regulatory requirements.

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Disclaimer. Every effort has been made to ensure the correctness of the information provided in this Material Safety Data Sheet, which is supplied to product purchasers on the basis that we cannot guarantee its accuracy or completeness. Health and safety information provided in this Material Safety Data Sheet is intended for general guidance only, and it is the responsibility of the user to ensure that suitable and sufficient assessment of hazards and risks posed in the employment of any products are undertaken and to comply with any duties imposed by Statutory or Regulatory requirements. No statement made in this Material Safety Data Sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe any existing patents, nor is any warranty made, either expressed or implied.