

Cellular Concrete Datasheet

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Cellular Concrete is a pre-bagged low-density cellular cementitious material for use in void filling applications.

Advantages

A lightweight free flowing grout with a high volume yield that provides an economical void filling solution which does not impose high mass loading. Simplified equipment provides ease of mixing and aeration, with no special pre-foaming equipment required. **Cellular Concrete** can be pumped if required. Density can be varied according to requirement.

Types

One type only.

Limitations

Not designed for structural purposes.

Site Work

Storage

Materials should normally be stored under cover. Reduced shelf life may occur if packaging is exposed to the elements. Packaging materials may deteriorate, allowing moisture ingress into the cementitious binder. This could lead to premature hardening. **Cellular Concrete** will store for up to 6 months, from date of invoice, in dry conditions if raised off the floor.

Weather

Do not use if temperatures of less than 5°C are expected within 24 hours.

Mixing

Cellular Concrete is designed to be mixed with a concrete pump with a long hose (100m) for placement. A suitable high speed hand held mixer can be used for small volume applications. Density is based on quantity of water used which should not be less than 650ml per Kg (16 litres per 25Kg bag) of **Cellular Concrete**.

Applications

Pump or pour mixed grout of required density into void to be filled. Continuous filling is preferred. Check settled level after 12 hours and top up with additional grout as required.

Curing

In a void filling application **Cellular Concrete** will cure naturally reaching maximum strength at 28 days.

Volume

At a mix ratio of 500ml water per kg of **Cellular Concrete**, mechanically mixed and pumped **Cellular Concrete** cellular grout will yield approximately 36 litres per 25kg bag (750g per Litre). At this density a minimum compressive strength of approximately 4mPa can be expected. The minimum density for **Cellular Concrete** is achieved at a mix ratio of 650ml water per kg of **Cellular Concrete**. At this ratio mechanically mixed and pumped **Cellular Concrete** will yield approximately 65 litres per 25 kg bag (360g per litre).

Packaging

25kg double laminated polypropylene bag, with stitch closure.

Cemcrete provides a comprehensive technical service based on over 3 decades of experience in the field of surface applications and cement technology. Cemcrete believes, to the best of its knowledge, that the information contained herein is true and accurate at the date of issuance and is subject to change without prior notice. For further clarification of these instructions, contact Cemcrete.