

Voidfill Datasheet

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Voidfill 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. **Voidfill** can be pumped if required. Density can be varied according to requirement.

Types

One type only.

Applications

Filling voids in various cavities like old underground fuel tanks, redundant sewers, pipelines and tunnels, any large holes to be redeveloped for example swimming pools, water reservoirs, mine shafts etc.

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. **Voidfill** will store for up to 6 months 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

Voidfill 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 **Voidfill**.

Application

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 **Voidfill** will cure naturally reaching maximum strength at 28 days.

Volume

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

Packaging

25Kg double laminated polypropylene bag, with stitch closure.

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