

Method Statement

FlowTec (All Grades/Colours)

FLOWTEC
PREMIUM
Rapid Setting Flowable Grout



TECHNICAL

DESCRIPTION: FlowTec Premium is designed to be used by hardscape professionals, and is a high strength, rapid setting flowable grout, that just needs the addition of water on site, and can fill joints from 5-50mm (4-50mm smooth) wide and up to 200mm deep, and will surpass the requirements set out in BS 7533-101:2021 for bound surface construction.

PPE REQUIRED: Dust Mask, Safety Goggles, Gloves.

TOOLS REQUIRED: Sturdy Mixing Tub, measuring jug, drill and whisk/paddle blender, Neoprene Squeegee, Garden hose with spray nozzle, washboy and sponge float or an electric grout sponge cleaning machine, sponge cleaning machine.

PRE GROUTING PRECAUTIONS: Always test a small inconspicuous area to determine both the colour and the compatibility of FlowTec Premium with your chosen paving units.

Never grout at 5 degrees or less or on a falling thermometer.

Never grout at 25 degrees or higher.

Never re mix or re wet up with extra water after initial mixing.

Warm weather accelerates set times, cool weather retards.

Never grout if heavy rain or frost is imminent.

Extreme care should be taken if grouting highly textured or highly porous paving units, where the slurry method may make your clean up operation extremely difficult, FlowTec may not be suitable for this application.

PRIOR TO STARTING: Ensure your paved area is clean, free from dust, debris, oil, grease. Loose particles or any other contaminants that may effect adhesion.

The entire area should be pre soaked and the face of your paving units must remain wet during the entire grouting process, this is especially true on warmer days, where rapid evaporation can occur.

All joints must be free from standing/pooled water prior to grouting.

MIXING: A 25Kg bag of FlowTec Premium requires the addition of 4.25 Liters of clean water, add your water to your mixing tub, followed by a full bag of FlowTec Premium, mix for 3-5 minutes with your drill and whisk or paddle mixer, until you achieve a lump free even consistency. Smaller quantities can be mixed using pro rata measures of the above quantities.

APPLICATION/PLACING: Pour your prepared grout onto the area to be grouted, with your neoprene squeegee spread the grout over all your joints, this process should be repeated after 5 minutes, ensuring joints are fully topped up after initial slumping/settlement has taken place.

At this stage, as much excess grout/residue as possible should be removed from the face of your paving, applying stiff pressure with your neoprene squeegee, diagonally across the joints, ensuring not to drag the grout from the joints.

CLEANING: The entire surface must be kept constantly moist

during the setting up period, with periodic wetting with a soft spray/misting of water from a garden hose.

After each misting, it is very important to remove any remaining excess residual grout from the face of your paving units, using stiff pressure with your neoprene squeegee. This is especially true when grouting heavily textured or highly porous paving units, this process will greatly aid your final clean up process.

When the grout has sufficiently hardened, you can now clean any remaining grout from the face of your paving units, with a sponge float and wash boy, a garden hose and sponge float or an electric grout sponge cleaning machine.

It is crucial that no grout or residue is left to dry/set on the face of your paving units, as this will prove stubborn to remove later. This is especially true of heavily textured or highly porous paving units.

At no point during the setting process should grout be allowed to dry/stiffen on the face of the paving units. The paved area should be continuously misted with a garden hose on mist setting to avoid this, this is especially true on warmer days.

SETTING TIME: Initial setting time is directly linked to temperature, surface temperature of the paving units, and site conditions, and will vary from 20 minutes on warm days to over 1 hour on cold days. Higher temperatures accelerate setting time, lower temperatures retard setting times. FlowTec Premium will accept foot traffic after 2 hours and light vehicular traffic after 12 hours, *temperature dependent.

PRODUCT SPECIFICS:

Grades: Smooth or Natural.

Colours: Mid Grey or Charcoal.

Yield: 14 Litres when 25kg of dry product is mixed with 4.25L of water.

Shelf Life: 7 months in unopened packaging, when stored correctly*.

Colour: As with all raw materials, a slight variation in colour may occur, this however does not in any way effect the integrity/strength of the product.

STORAGE: *This product should be stored in dry, cool conditions, off the ground away from extremes of high or low temperature. The shower proof bags the product comes in will tolerate light showers only, but are not intended for prolonged unprotected outdoor storage.

CHROMIUM VI: This product must be used within 7 months of the DOM. Use of the product after this date or incorrect storage may increase the risk of an allergic reaction and/or skin irritation from the activity of the reducing agent Chromium VI.

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