



FLOWABLE FILL

The solution for filling applications

Flowable fill is a fluid mix of cementitious materials with a high filling capacity. It is produced in a concrete plant and delivered by concrete mixer. Economical and highly effective, this product is ideally suited to a large number of filling applications. It has been developed by use of the following materials : cement, sand, supplementary cementitious materials, high-performance air-entraining admixture, as well as other additives.

Placement

Flowable fill is generally placed using a pump or directly from the concrete mixer. Flowable fill can be placed 6 to 10 times faster than conventional fill. It also requires less equipment on the work site and eliminates future compaction problems. Due to flowable fill's high fluidity, special care must be given to the hydrostatic pressure exerted on forms, existing walls or materials on site. When flowable fill is poured around pipes, tanks or containers, the possibility of flotation must also be taken into account.

Fluidity

Its fluidity is significantly greater than for conventional concrete that is why it can be placed so much more quickly. The fluidity of flowable fill also explains its excellent filling capacity.

Setting time

The setting time of sand fill depends on the hydration of cementitious materials. It can vary from 6 to 24 hours, depending on the temperature at the time of placement. An accelerator can be used to further speed up the process in cold weather.

Mechanical properties

Flowable fill has a compressive strength of approximately 1 MPa. This ensures the stability of the fill while allowing future excavation.

Applications

- Filling trenches
- Filling culverts
- Filling under floors
- Filling for retaining walls
- Replacement of granular foundations
- Filling abandoned reservoirs
- Filling abandoned pipes
- Wherever soil fill is used.



Technical characteristics

Characteristics	Sand fill
Slump	180 +/- 40 mm
Air content	12 to 20 %
Density	1,800 kg/m ³
Setting time	6 to 24 hrs.
Compressive strength at 28 days	1 MPa

WESTERN REGION



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418 387-6651
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1 800 463-7016 – concrete
418 243-2106 – aggregates
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