

## TECHNICAL DATA

Product	Controlled Density fill
Minimum Strength	4N/mm <sup>2</sup> @90 Days*
Maximum Strength	10 N/mm <sup>2</sup> @90 Days*
Typical Density (Kg/m <sup>3</sup> )	Less than 2000kgs/m <sup>3</sup>
Workable life of fresh mix	3 Hours
Flammability	Nil

### READYFILL Handling

CEMEX ReadyFill can be placed directly into the required area if access is available, or via a standard concrete pump. No special equipment is required for handling and placing.

### READYFILL Use

CEMEX ReadyFill is of particular benefit where access is restricted or it is difficult to achieve compaction of regular fills. The flowing nature of ReadyFill means that services are entirely encapsulated, eliminating soft spots that could undermine, leading to damage of the embedded services. The flowability means that large areas can be filled very quickly, without the need for labour and plant intensive compaction operations. Once an area has been filled, it is typically ready for following works within 24 hours.

### READYFILL Health and Safety

Provided normal health and safety rules are observed, CEMEX ReadyFill does not constitute a hazard to health. Avoid inhalation and can contact with skin as exposure may cause irritation. For more details please refer to our MSDS.



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www.cemex.ae  
www.readymix4u.ae

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 **READYFILL**





Building a better future



**READYFILL** is a solution that is **Seven Times Faster, Cost Effective, Safer, Not Labor Intensive** and 100% Effective Fill.

### READYFILL HOW TO PERFECTLY FILL AN EXCAVATION SITE?

Building an underground infrastructure, especially in an area with busy streets, requires a good organization of work. The works have to be performed quickly and very thoroughly, in order to prevent future problems, eg. pavement subsidence resulting from inadequate compaction of soil. **CEMEX** has prepared ReadyFill for its customers, designed for filling excavations, unused canals, etc.

### READYFILL Complete Filling Guaranteed

Consistency of ReadyFill products warrants their excellent filling properties. Self compacting mixes – do not require using additional energy for compaction, and maintain properties of well compacted soil, stabilization or thin concrete (depending on the variant) after hardening. They are delivered to the construction site using mixer trucks, and unloading 1 m<sup>3</sup> takes only 5 minutes.

### READYFILL Excellent Properties

- Liquid consistency - ensures thorough wrapping of pipelines and excavations.
- Durability – 0 -10 MPA.
- Allows re-excavation with traditional earthmoving equipment.
- Self-compaction – products do not require vibrating or compacting.
- After hardening homogenous parameters across the entire volume, similar to compacted soil, stabilization or thin concrete.
- No subsidence after hardening.
- Resistant to wash out from leaks.

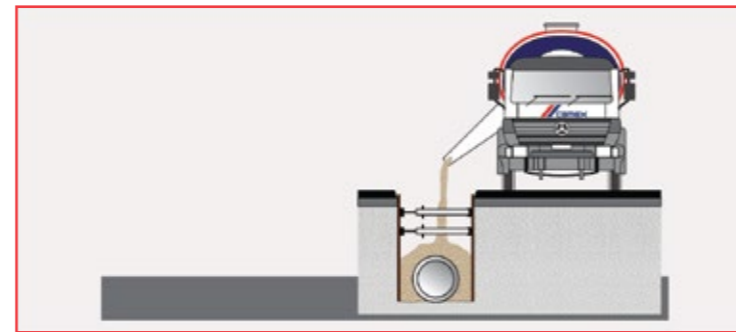
### READYFILL Advantage of use

- Reduced construction time resulting from the lack of need for compacting.
- Low labor costs, equipment and network maintenance.
- Faster work execution under specific conditions (e.g. on heritage areas).
- Reduced risk of installation damage during construction.
- Narrowed excavation.

### READYFILL Always the highest quality

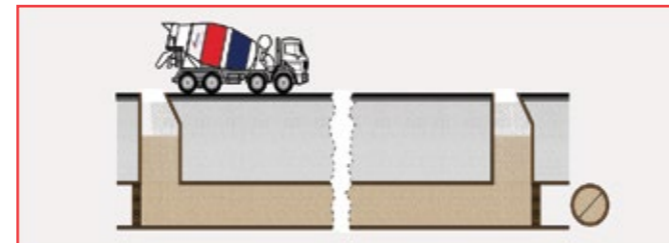
For manufacturing ReadyFill concrete we use best resources that meet the high requirements of the UAE. Their quality is constantly monitored by research institutes and facilities and additionally verified in **CEMEX** plants. A factory production control system, subjected to a voluntary certification by a third party, has been implemented in our plants.

## READYFILL Possible Uses



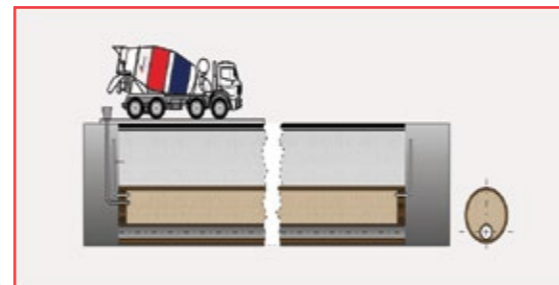
### Filling Linear Trenches

ReadyFill blends allow filling of narrow space trenches without the risk of low compaction. It is also possible to narrow traditional excavations, which speeds up construction and brings economic benefits. By using ReadyFill we eliminate the risk of pavement subsidence resulting from low soil compaction in difficult areas.



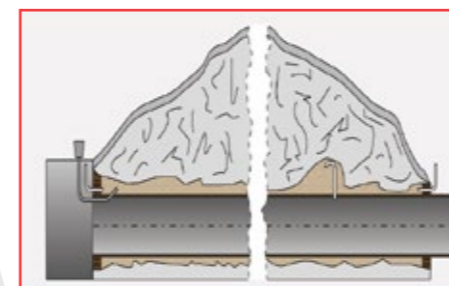
### Filling Unused Pipes and Channels

ReadyFill products guarantee complete filling of channel cross section, which in turn reduces the risk of surface collapse. Finished blends, delivered by mixer trucks are unloaded directly into canal (venting must be ensured).



### Filling Annular Spaces

ReadyFill blends allow for complete filling of annular spaces. It allows to mostly avoid the phenomenon of water condensation between discharge pipe and coating, which causes corrosion. ReadyFill products fill out even the smallest free spaces.



### Filling void during Tunnel Construction

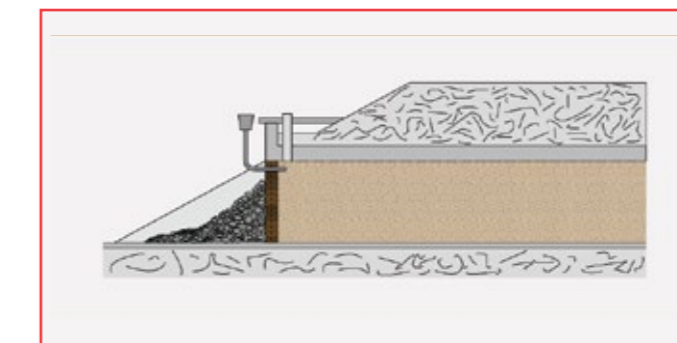
In order to allow quick and smooth tunnel construction, empty spaces between tunnel case and soil should be filled. ReadyFill blends allow for thorough wrapping of tunnel case and complete filling of all empty spaces that can be vented.

## READYFILL Possible Uses



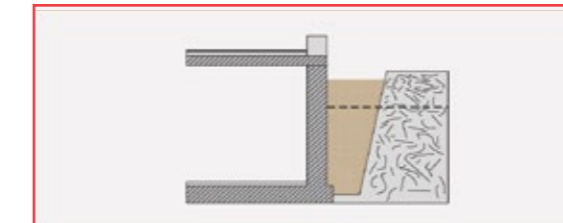
### Filling expired underground containers

Using traditional method of filling expired undergrounds containers – using water and sand – does not ensure their complete filling. Pavement above may collapse under enough stress. ReadyFill products eliminate such risk. They fill out even the smallest empty spaces and protect old installations from collapsing. Alkaline properties of the ReadyFill blends also help to protect walls of containers from corrosion.



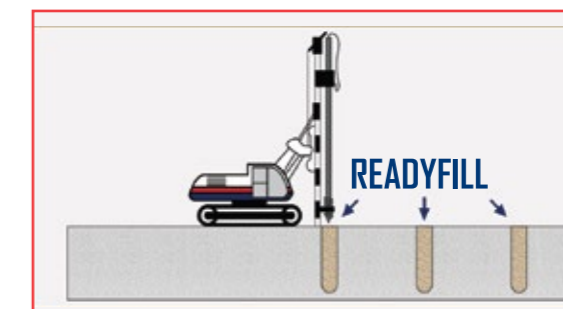
### Filling restored or inactive undergrounds passages

ReadyFill blends allow to thoroughly fill the space between new and old structures of restored underground passages. They also warrant complete filling of inactive objects, which results in removing the risk of subsidence and collapse.



### Filling space behind foundations and protecting work spaces

Using ReadyFill blends for secondary filling work spaces behind foundations prevents from subsidence of higher layers.



### Replacing soils unfit for construction and deep reinforcing soils

Wide range of durability and high liquidity of the ReadyFill blends make them a perfect material for replacing soils unfit for construction or an injectable material in deep reinforcing of soils.