

Fixbeton

Fast setting anchoring concrete - no mixing required

Field of Application

Fixbeton is recommended for:

- sealing posts, stakes, picket fences, umbrella-type clothes dryers, outdoor games (swings, etc.), mailboxes in the ground,
- fixing of ornaments and garden and urban furniture (benches, picnic tables, etc.) and pergolas in the ground,
- anchoring advertising columns and traffic signs in the ground.

Fixbeton can be applied without prior mixing with water.

Limitation of use: cannot be used as structural concrete.

Composition

Fixbeton is a homogenous mixture made from sand, fine aggregates, special binders and additives to improve the characteristics of the concrete.

Binder: calcium aluminate cement according to EN 14647 and Portland cement according to EN 197-1.

Aggregates: sieved and recomposed sand, aggregate 0/8 according to EN 12620.

Additives: specific additives to improve the workability of the concrete.

Colours

Grey.

Characteristics

Fixbeton is a dry, premixed, fast-setting anchoring concrete, specially developed for anchoring in the ground without the need for prior mixing with water.

Preparation substrate

Dig a hole to the size of the planned foundation block. The part (depth) of the picket to be anchored in the ground must be sufficient in proportion to the total height of the picket. For this, the recommendations of the picket manufacturer must be followed.

If the soil is porous, cover the bottom of the hole with a plastic sheet or moisten the bottom of the hole and the sides sufficiently.

Never work on frozen substrates, in thaw period or if there is a risk of freezing within 24 hours.

During application and hardening, the ambient and substrate temperatures must be between +5 °C and +30 °C.

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Application

- Position the post in the middle of the hole and hold it during the hardening time.

Fixbeton can be applied in 2 ways:

1) WITHOUT PRIOR MIXING:

- Fill the hole halfway with clean water.
- Then spread Fixbeton evenly around the picket with a shovel or spade until the hole is filled.
- Pour clean water over the Fixbeton until it is sufficiently moist and the water no longer penetrates the Fixbeton powder.

2) WITH MIXING:

- Mix Fixbeton, preferably mechanically, with about 10% clean water (approx. 2.5 L of water per 25 kg bag) until the desired consistency is achieved. The mixture should be homogeneous, smooth and lump-free.
- Pour the mixture into the hole around the picket until the hole is filled.
- Check the position of the picket with a spirit level and correct its position if necessary, immediately after application.
- Compact the fresh concrete around the picket. Make sure the picket is well surrounded by Fixbeton.
- Then, smooth the surface of the fresh concrete if it remains apparent. The surface can then be covered with soil and grass.

After application, clean all tools immediately with water. Hardened concrete can only be removed mechanically.

The concrete starts to harden within 15 minutes and can be put back into service after approx. 2 hours. The setting time may vary depending on the ambient temperature. Hardening is complete after 28 days.

Post-Treatment

The work must be protected from cold, showers and wind.

Consumption

2 bags of 25 kg are sufficient for a foundation of dimensions 30 x 30 x 30 cm.

Yield:

- ± 525 L of mixed concrete per ton of dry concrete,
- ± 13 L of mixed concrete per 25 kg of dry concrete.

Technical data

Compressive strength at 28 days	≥ 25,0 N/mm ²
Grain size	0/8 mm
Yield	± 525 L/tonne
Bulk density of hardened concrete	± 2000 kg/m ³

Packaging

Fixbeton is packaged in 25 kg plastic bags on euro-pallets (1200 kg per pallet) with a protective cover.

The shelf life in the original packaging, closed, undamaged, stored in a dry place and protected from humidity, is 6 months.

Remarks

The work should meet the requirements of this technical data sheet.

Security impacts

For further information and advice on the safe handling, storage and disposal of chemicals, please consult the most recent safety data sheet. It contains information on physical, ecological, toxicological and other safety aspects.