

MEYCO[®] TCC780

Liquid consistency stabilizer for the MEYCO TCC system and pumping aid for concrete

Description

MEYCO TCC780 is a highly effective pumping aid that makes the concrete thixotropic and easy to pump. Because of the thixotropic behaviour, the risk of segregation is eliminated.

MEYCO TCC780 causes no water reduction and hence it is desirable to use it in conjunction with a compatible superplasticiser, while using it as a pumping aid.

MEYCO TCC780 is a useful slump killer in back filling operation in TBM and drill and blast tunnel linings.

Uses

- Wet-mix spraying
- Pumped concrete
- Concrete with low cement content
- Concrete with deficient grading
- Mixes with low fines content
- Backfill grouting in tunnels

Advantages

- Improved pumpability, especially with low Cement contents and lack of fines in the Mix, thus making the workability more Independent of the grading of the aggregates
- Can work with a higher slump than ordinary Super plasticizers, without risk of segregation
- Improved sprayability and less rebound in Wet - mix spraying
- Higher cohesion, causing lower accelerator dosage in spraying

Typical properties

| | |
|----------------------|----------------------|
| Aspect | : Transparent Liquid |
| Relative density | : 1.0 ± 0.01 at 25°C |
| pH | : ≥6 |
| Miscibility in Water | : Miscible |
| Chloride content | : < 0.1% |

Directions for use

MEYCO TCC780 is added during batching and causes a thixotropic behaviour of the concrete. The workability should be measured using the DIN spread-table

Dosage

The recommended dosage of MEYCO TCC780 is 1-10 kg/m³ of concrete, depending on the field of application and local conditions.

When used for the MEYCO TCC system together with MEYCO TCC765 or MEYCO TCC766, always use at least 4 kg/m³ of concrete in order to achieve the proper “slump killing” effect. Consult your local BASF representative for further details.

Compatibility

MEYCO TCC780 is compatible with all types of cement and with the following products: GLENIUM series, POZZOLITH and POLYHEED series of admixtures. MEYCO TCC780 is not compatible with RHEOBUILD series; please consult your local BASF representative for advice.

Packaging

MEYCO TCC780 is supplied in 200kgs drums.

Storage and Shelf life

Store under cover out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment.

Shelf life is 12 months when stored as above.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice please consult BASF's Technical Services Department.

Safety precautions

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use. Do not reuse containers for storage of consumable item. For further information refer to the material safety data sheet. MSDS available on demand or on BASF construction chemicals web site.

Note

All BASF Technical Data Sheets are updated on regular basis; it is the user's responsibility, to obtain the most recent issue.

Field services where provided, does not constitute supervisory responsibility, for additional information contact your local BASF representative.



The Chemical Company

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