

MEYCO[®] TCC 766

Liquid activator for MEYCO[®] TCC (Total Consistency Control) for use in wet shotcrete

Description

MEYCO[®] TCC 766 is a liquid high performance activator for wet shotcreting, which causes instant slump loss, low rebound and an accelerating setting when used in combination with the GLENIUM[®] or POLYHEED[®] range of admixtures. MEYCO[®] TCC 766 can be added at higher dosages and is therefore suitable for wet surfaces. If problems with dripping water are encountered or if large layer thicknesses (>10cm) are required, it is sufficient to increase the dosage of MEYCO[®] TCC 766.

Fields of application

MEYCO[®] TCC 766 is suitable for all applications in wet shotcreting where large layer thicknesses and both early and high final strengths are decisive. MEYCO[®] TCC 766 is specially designed for use with both plain and steel fibre reinforced wet-mix sprayed concrete.

Principal applications are for:

- MEYCO[®] TCC System
- Wet mix spraying
- Tunnelling and mining
 - Temporary support
 - Permanent support
 - Final lining
- Slope stabilisation
- Repairs to concrete structures
- Tunnel grouting (back filling)

Features and benefits

- Very large layer thicknesses (20-30cm)
- High final strengths
- Increased bonding
- High durability
- Improved sprayability

- Less rebound
- Increased toughness values thanks to reduced fibre rebound and better fibre orientation
- More rapid work progress
- Improved working environment
- Very low alkali content compared to traditional set accelerators / activators
- Lower dosage compared to traditional set accelerators / activators

Compatibility

MEYCO[®] TCC 766 is compatible with all cements meeting the ASTM and UNI standards. MEYCO[®] TCC 766 can be combined with DELVOCRETE[®] STABILISER.

Packaging

MEYCO[®] TCC 766 is supplied in 272kg drums, containers or in bulk.

Typical properties

Properties listed are only for guidance and are not a guarantee of performance

Form:	liquid
Colour:	dark brown
Density at 25°C:	1.34 @
pH value:	10.5- 11.5
Viscosity at +20°C:	50-110 MPas
Solubility in water:	total
Chloride content:	Nil
Physiological effect:	Irritant to skin and eyes

Application procedure:

Preparation of substrate:

The substrate must be clean, free from loose particles and only wet to slightly sprinkled. Improved water run-off is more economical by means of draining presealing with cement using a rapid setting agent, dehydrated as far as possible.

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Mixing:

MEYCO[®] TCC 766 must be stirred well before use, best achieved by rolling the drums. MEYCO[®] TCC 766 is introduced through a proportioning pump or pressure tank into the compressed air which is added at the nozzle.

Application:

For overhead applications the maximum recommended thickness per layer applied is 6-10 cm.

Consumption:

The recommended dosage range of MEYCO[®] TCC 766 is 2-12% by weight of binder. The required setting time and hence the necessary dosage of MEYCO[®] TCC 766 is determined by the type of substrate. Dosage is also influenced by the temperature of the substrate and of the sprayed material, as well as by the type of cement.

In special cases, other dosages may be recommended according to specific job conditions.

Storage

The storage temperature of MEYCO[®] TCC 766 is between +5°C and +50°C. If stored in tightly closed original containers and under the above conditions, MEYCO[®] TCC 766 has a shelf life of at least 12 months.

Safety precautions

MEYCO[®] TCC 766 is irritant to skin and eyes, wearing of eye and hand protection is

recommended. If contact occurs wash thoroughly with water and seek medical advice.

For further information refer to product Material Safety Datasheet.

Note

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

BASF reserves the right to have the true cause of any difficulty determined by accepted test methods.

Quality and care

All products originating from BASF's Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and OHSAS 18001.

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As all BASF technical datasheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.

BASF Construction Chemicals UAE LLC

P.O. Box 37127, Dubai, UAE

Tel: +971 4 8090800

www.basf-cc.ae

Fax: +971 4 8851002

e-mail: marketingcc.mideast@basf.com



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