

MEYCO[®] TCC 735

Liquid admixture which improves the quality of shotcrete, such as bonding and impermeability and enhances its durability.

Description

MEYCO[®] TCC 735 is a chloride free, multi role liquid admixture which enhances the quality of shotcrete in both the plastic and hardened state.

MEYCO[®] TCC 735 is a component of the MEYCO[®] TCC (Total Consistency Control) system.

The unique composition of TCC 735 ensures better hydration of the cement. As a result initial shrinkage is substantially reduced, bonding characteristics are enhanced, both density and compressive strength are increased.

SEM tests performed by LPM Zurich show that concrete which was treated with MEYCO[®] TCC 735 has hydrated to a much larger extent than uncured or externally cured concrete.

Typical applications

MEYCO[®] TCC 735 is suitable for all shotcrete applications where increased bond and low permeability are desirable properties of hardened concrete.

Advantages

- Maximises cement hydration.
- Reduced initial shrinkage.
- Improved layer and substrate bond.
- Improved workability and pumpability.
- Increased density and ultimate strength.
- Reduced permeability.

Compatibility

MEYCO[®] TCC 735 is compatible for use with all types of cements, microsilica and pozzolanic materials.

The product should always be used in combination with POZZOLITH and/or RHEOBUILD 3500 and/or RHEOBUILD 3000 series admixtures.

MEYCO[®] TCC 735 should not be used in combination with superplasticisers or other admixtures containing sulphonated naphthalene, as this could cause instant loss of workability.

Please consult with your local BASF representative for further advice.

Packaging

MEYCO[®] TCC 735 is supplied in 25 and 210 litre units.

Typical properties*

Form	liquid
Colour	milky white
Specific Gravity	0.96-1.01 at 20°C
pH value	7-10
Viscosity at 20°C	>1000± 25 mPas
Solubility in water	total



The Chemical Company

MEYCO[®] TCC 735

Application procedure

Mixing:

MEYCO[®] TCC 735 must be mixed well before use, best achieved by rolling the drums. The product is ready to use and is dispensed together with the mixing water. For best effect MEYCO[®] TCC 735 should be added to the mix with the last 20% of the mixing water.

MEYCO[®] TCC 735 can be added through normal admixture dispensers.

Dosage:

MEYCO[®] TCC 735 is dispensed at the standard rate of 5kg/m³. However, conditions may require a higher or lower dosage and this should be determined by trials.

Storage

MEYCO[®] TCC 735, in tightly closed original containers, has a shelf life of at least 6 months. The storage temperature must not drop below +5°C, nor exceed +50°C.

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

Safety precautions

This product contains components which may cause irritation. Avoid contact with the eyes and prolonged contact with the skin. If contact occurs, wash thoroughly with water and call a doctor. Keep the product out of reach of children. For further information, refer to material safety data sheet.

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 BASF Products are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health and safety standards of ISO 9001 and BASF ESHQ recommendations.

Saudi BASF – 12/2007

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

Saudi BASF For Building Materials Co, .Ltd. (Saudi Arabia)

P.O Box-1884 Al-Khobar 31952 Tel: +966 3 8121140 Fax: +966 3 8121822

Web: www.saudi-basf.com

e-mail: enquirycc.saudi@basf.com

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

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