



ULTRA BOND EX-404

Description

DIRECTION OF MIXING:

When using Ultra BOND EX-404, a suitable mix design has to be considered, and trial with local material sources. Don't add Ultra BOND EX-404 to dry cement. Excessive water addition or overdosing may cause bleeding or segregation. If frozen or precipitation has occurred, use the Ultra BOND EX-404 after thawing slowly at room temperature followed by intensive remixing. However, the optimum dosage of Ultra BOND EX-404 to meet specific requirements should always be determined by conducting laboratory and batch trials. The normal dosage ranges between 0.3 to 2.0 percent by weight of total cement or binder content.

INSTALLATION:

The standard rules of good concreting practice, concerning production and placing, are to be followed. Laboratory trials shall be carried out before concreting on site, especially when using a new mix design or producing new concrete components. Fresh concrete must be cured properly, and curing must be applied as early as possible. Ultra BOND EX- 404 disperses the cement particles effectively in the concrete mix and hence exposes a larger surface area to the hydration process. This effect is used either to increase strength, or to produce high workability concrete, or to reduce the cement content of concrete or to retard the setting time of concrete.

PRECAUTION:

Ultra BOND EX-404 does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come in contact with skin or eyes.

Please wear suitable protective gloves and goggles. Clean in any splash on the skin with water. In case of contact with eyes, rinse immediately with plenty of water, and seek medical advice. Seek medical attention immediately if swallowed, do not induce vomiting.

AVAILABLE PACK SIZES

Ultra BOND EX-404 is available in 20 Ltr Barrel Containers.

PRODUCT SPECIFICATIONS

- Color: Light Brown
- Storage: Up to 12 months in manufacturers sealed containers stored in a cool dry place and away from high temperature.
- Shelf Life: 12 months from the date of original packing. Reseal the container after use and ensure the product is stored as instructed on the label.

KEY BENEFITS

- Used in moderate workability retention concrete
- Suitable for Self-compacting concrete
- High-performance concrete
- Low viscosity admixture suitable for precast industry
- Suitable for concrete having cement replacements and low water-cement ratio
- It provides high early strength without an increase in cement content or a reduction in workability.
- It is ideal for precast concrete production and to reduce the rate of workability loss associated with a super plasticizers
- Reduces shrinkage cracking because of the lower water-cement ratio
- Makes the concrete water-impermeable
- Better resistance to carbonation
- Reduce Shrinkage and creep
- Increased durability

APPLICATION AREAS :

Ultra BOND EX-404 is a unique combination of a new generation super plasticizer based on poly carboxylic ether polymer, with a long lateral chain. The electrostatic dispersion mechanism considerably reduces the water demand in flowable concrete. Ultra BOND EX-404 is supplied as a light brown liquid, instantly dispersible in water. Ultra BOND EX-404 disperses the cement particles effectively in the concrete mix and hence exposes a larger surface area to the hydration process. This effect is used either to increase the strength, to produce the high workability concrete, to reduce the cement content of concrete, or to retard the setting time of concrete. Ultra BOND EX-404 is the latest development of super plasticizer for concrete. It meets the requirements for high range water reducing super plasticizers. With its outstanding cost/performance, Ultra BOND EX-404 is used for the following:

Used in moderate workability retention concrete, Suitable for self-compacting concrete, used in different concrete systems with different raw materials, used in high-performance concrete with high early strength.