

UltraTM series

ULTRA FLOW CONCRETE

Super-plasticised, flowable concrete that maximizes the speed of placing without compromising strength, shrinkage or final finish



DESCRIPTION

Ultra Flow Concrete has been designed using the latest technological advances in super Plasticizers and unique concrete design techniques to create concrete with high workability that:

- is highly flowable
- does not bleed excessively
- has improved strength performance

Ultra Flow Concrete can be ordered in a strength category and a stone size to meet your specific needs. Ultra Flow Concrete has a controlled set ability that gives high workability and extended set. This means that you are not bound by a short workability time for those tricky site applications



WHERE TO USE

- High-tolerance floors
- Difficult access areas
- Architectural requirements
- Long delivery distances
- Slow pours
- High strength concrete
- Heavily reinforced columns, high walls (with fewer lifts), very complex shapes and piling (Tremie)

ADVANTAGES OF ULTRA FIBRE CONCRETE

- Faster discharge on site, with increased productivity levels leading to more efficient Use of site labour and shortened concrete construction time
- Improved working environment
- Ease of placing
- Placement over much wider area from one discharge point
- Less equipment needed on site to place, compact and finish the concrete
- **Ultra Flow Concrete** flows into narrow spaces between reinforcing bars in highly reinforced areas without segregating
- Concrete can easily be placed into inaccessible areas and intricate formwork
- Possible to pump concrete from the lowest point forms, displacing the air upward to achieve extremely high quality off-shutter finishes
- Increased free fall limits without segregation
- Improved tolerances of floors and slabs
- High quality finishes
- Easily pumped due to high workability

MINIMUM STANDARDS FOR ULTRA FLOW CONCRETE

Grade of concrete: 15MPa minimum
Cement type: Any combination including slag and /or fly ash extenders
Aggregate size: Any aggregate size as long as the nominal size is not greater than 25% of the thinnest section
Slump: Collapse
Consult the Lafarge Technical Department for specialized application and mix designs.

IMPORTANT RECOMENDATIONS

The standard rules of good concrete practice and placing must be strictly observed with proper curing procedures as required by normal concrete mixes

COVERAGE

One cubic meter of **Ultra Flow Concrete** will cover an area of approximately 10 square meters at a 100mm thickness

SAFETY PRECAUTIONS

The use of safety goggles and gloves is recommended when placing concrete.



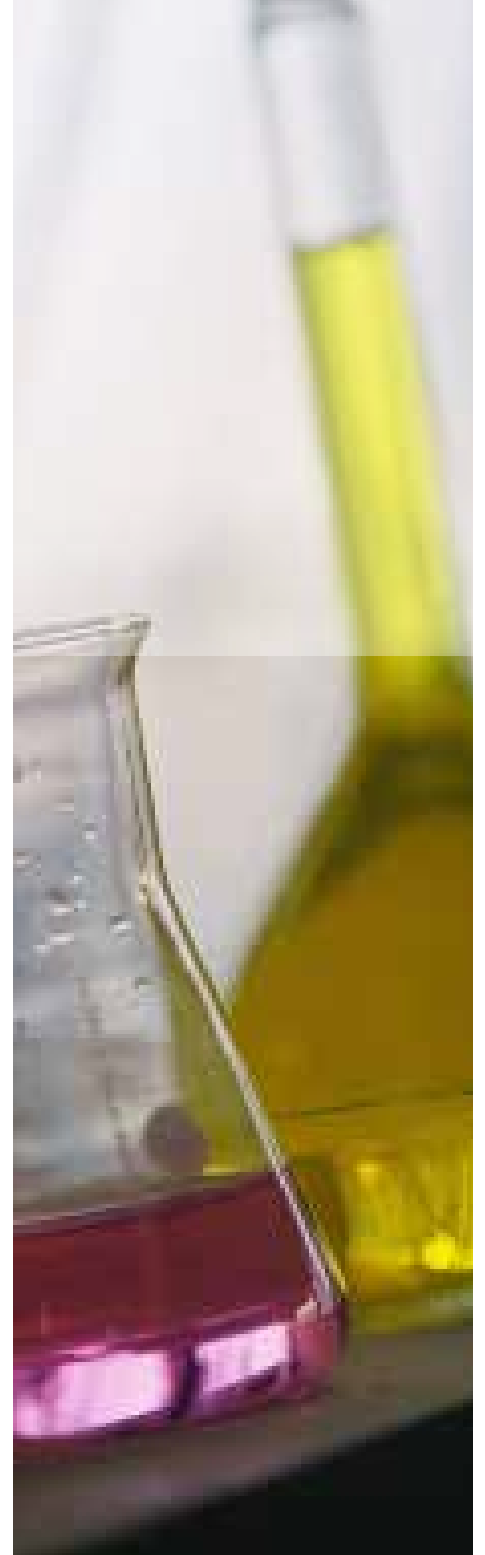
FIRST AID

EYES: Immediately flush eyes, including under lids, with water for at least 15 minutes to remove all particles. If necessary, seek medical advice.

SKIN: Wash skin with cold water and a pH neutral soap as soon as possible, except where open wounds are visible. Attention should be paid to wounds and fresh scars which should be covered with protective paraffin gauze. Seek medical help in cases of prolonged contact with wet concrete.

INGESTION: Rinse mouth with clean water. If swallowing has occurred drink plenty of milk or water. Do not induce vomiting. Seek medical attention immediately.

INHALATION: Remove to fresh air. If symptoms persist seek medical attention.



SALES AND ORDERS

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