BASF
The Chemical Company

GLENIUM® ACE 32

High activity superplasticiser / water reducer admixture for high performance concrete

DESCRIPTION

GLENIUM ACE 32 is a high activity superplasticiser / water reducing admixture especially designed for the manufacture of concrete with a specific demand for initial resistance, allowing the reduction of the curing cycles in the field of precast in thermal curing and even permitting its total elimination.

Using **GLENIUM ACE 32** self compacting concrete can be produced which allows for laying concrete without vibration and minimising the curing energy.

FIELDS OF APPLICATION

GLENIUM ACE 32 is specifically designed for use in concrete for precast.

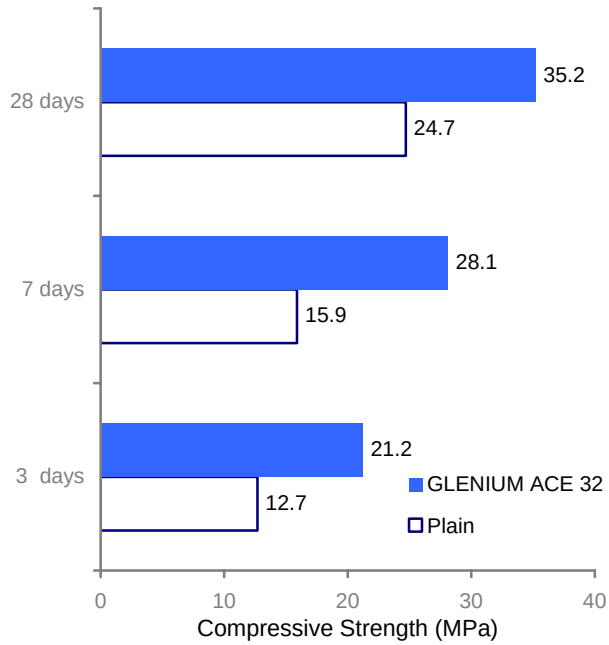
- High performance concrete
- Flowable concrete
- Civil works
- Self compacting concrete

Please consult BASF Construction Chemicals representatives for any application not mentioned in this product data sheet.

FEATURES AND BENEFITS

Great fluidification and water reduction power	Makes the laying and compacting via vibration easier. High quality finishes.
Increases the initial and final set of concrete	High early strength in short period of time
Does not produce delayed settings	Allows for the reduction of curing cycles (in temperature or time) and even for its complete elimination.
Excellent cohesion	Allows for fluid concrete with low water cement ratio, without segregation nor bleeding. Improves the waterproofing and durability of the concrete by decreasing its porosity.

TYPICAL PERFORMANCE DATA



The above result is based on using 20 mm aggregates slump measured at 150 – 170 mm
Ambient Temperature test @28°C
Cement content : 185 kg/m^3, Fly Ash Content: 80 kg/m^3

APPLICATION

Dispensing

It is recommended to add **GLENIUM ACE 32** to the last part of mixing water. It can be added directly to the mixing lorry, always respecting the minimum mixing time for its complete homogenization. Do not add to dry mix.

DOSAGE

The usual dosage of **GLENIUM ACE 32** is 0.5 – 2.5% over cementitious weight, depending on the characteristics and quantity of the materials used, the consistency and water reduction required.

Higher dosages, up to approximately 3% over cementitious weight are possible, with prior tests.

It is recommended to carry out the necessary tests to determine the optimum dosage in each case.

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PACKAGING

GLENIUM ACE 32 is available in bulk or 205 L drums.

SHELF LIFE

Store in ac cool, dry place in original, thermatically sealed packaging at temperatures above 5 ^{o}C. In the event of it freezing, thaw at approximately 20 ^{o}C and stir until completely reconstituted. In ideal conditions, **GLENIUM ACE 32** can be stored for up to 12 months.

PRECAUTIONS

For detailed Health, Safety and Environmental recommendations, please consult and follow all instructions in the product Material Safety Data Sheet.

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STATEMENT OF RESPONSIBILITY	The technical information and application advice given in this **BASF Construction Chemicals** publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.
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