

A High Quality Water Reducing/Superplasticising Admixture



CE Approved – Certificate No. 0086-CPD- 485919
EN934 part 2 tables 2, 3.1 & 3.2

Description of Product

GLENIUM C332 is an innovative versatile admixture based on third-generation polycarboxylic ether (PCE) polymers. GLENIUM C332 is specially engineered for the ready-mix concrete market to replace both a lignosulphonate based water reducer and a superplasticizer. Its configuration allows it to perform as a multi functional admixture, it is possible to obtain a high quality concrete mix with good strength development and extended workability without delayed setting characteristics.

The Total Performance Control™ concept ensures that ready-mix producers, contractors and engineers get a concrete that is of the same high quality as originally specified; starting from production at the batching plant, to the delivery and application into place, and followed by its hardening process. Utilizing Rheodynamic™ technology it provides a concrete mix with exceptional placing characteristics.

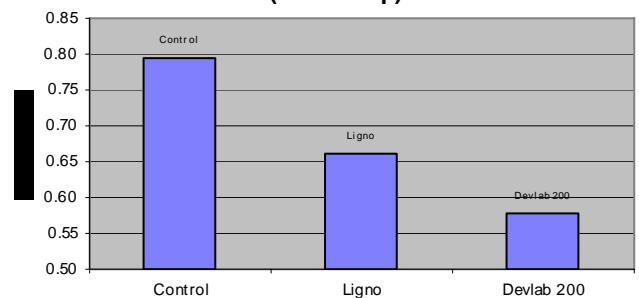
Complies with EN934 Part 2 Tables 2, 3.1 and 3.2.

Fields of Application

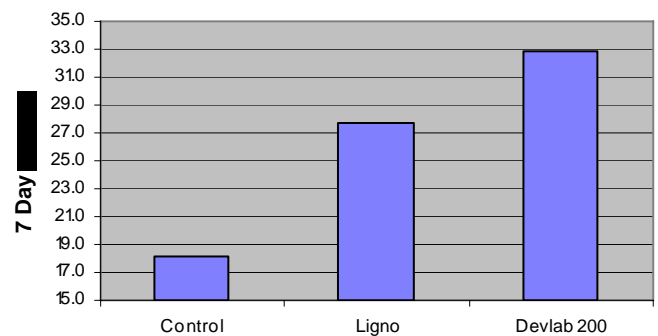
GLENIUM C332 is used for the production of all grades from high quality to low specification ready-mix concrete.

GLENIUM C332 may be used in combination with RheoMATRIX 100 admixture for producing Smart Dynamic Concrete (SDC), capable of self-compaction, even in the presence of dense reinforcement.

**W/C Ratio Comparisons @ 1% Dosage @ S4
(180 slump)**



**Compressive Strength @ 1.0% Dosage @ S4
(180 slump)**



Features and Benefits

GLENIUM C332 offers the following benefits for:

The Ready-mix Producer:

- Capability of delivering high quality concrete at any time to the job site in place
- Production of a concrete with low water cement ratio that meets EN 206-1 without loss of workability
- Single product for all applications from everyday water reducing to Smart Dynamic Concrete.

The Contractor / Applicator:

- Easier placing
- Improved concrete surfaces
- Guarantee to place the same concrete as specified and ordered from ready-mix plant

- More versatile and forgiving concrete mix

The Engineer:

- Insurance that concrete meets original specification
- High quality concrete with better durability.

Technical Data/Typical Properties

Appearance	Brown liquid
Specific gravity @ 20°C	1.13 g/cm ³
pH-value	6.0
Alkali content (%)	Less than or equal to 0.50
Chloride content (%)	Less than or equal to 0.10
Chlorine content (%)	Less than or equal to 0.10

Application Procedure**Dosage**

The normally recommended dosage rate of GLENIUM C332 is approximately:

By Volume - 0.265 to 1.327 litres per 100 kg of cement (binder) content.

By Weight - 0.30 to 1.50 kg per 100 kg of cement (binder) content.

Other dosages may be recommended in special cases according to specific job conditions. Consult BASF IBC Admixture Systems Limited Technical Services Department for advice. Trial mixes should be carried out to ensure optimum dosage and effect.

Compatibility

GLENIUM C332 is not compatible with RHEOBUILD[®] superplasticizers.

In order to optimize special requirements the use of the following complementary additives is suggested:

- Viscosity modifying agent RheoMATRIX 100 to produce Smart Dynamic Concrete.
- Air entraining agent MICRO-AIR[®] to improve frost/thaw resistance

Mixing

GLENIUM C332 is a ready-to-use admixture to be added to the concrete as a separate component. Optimal result is obtained if GLENIUM C332 is poured into the concrete mix right after the addition of the first 80% of the mixing water, i.e. when all solids are wetted. Avoid adding the admixture to the dry aggregates.

Packaging

GLENIUM C332 is available in 205 litre drums, 1000 litre container or in bulk.

Shelf Life

12 months if stored according to manufacturer's instructions in unopened container

Storage

GLENIUM C332 must be stored in original sealed containers and at temperatures between 5°C and 30°C. Store under cover, out of direct sunlight and protect from extremes of temperature. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult BASF IBC Admixture Systems Limited Technical Services Department.

Handling and Transport

No special requirements must be observed during use. Protection gloves and glasses are however recommended. GLENIUM C332 is non-flammable, non-toxic or irritant and is not subject to special transport requirements.

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Health and Safety

*For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

The following general comments apply to all products.

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapour until the product is fully cured and dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use.

Spillage

Chemical products can cause damage; clean spillage immediately.

DISCLAIMER

"BASF IBC Admixture Systems Limited" (the Company) endeavours to ensure that advice and information given in Product Data Sheets, Method Statements and Material Safety Data Sheets (all known as Product Literature) is accurate and correct. However, the Company has no control over the selection of its products for particular applications. It is important that any prospective customer, user or specifier, satisfies him/her-self that the product is suitable for the specific application. In this process, due regard should be taken of the nature and composition of the background/base and the ambient conditions both at the time of laying/applying/installing the material and when the completed work is to be brought into use.

Accordingly, no liability will be accepted by the Company for the selection, by others, of a product, which is inappropriate to a particular application.

Products are sold subject to the Company's standard conditions of sale and all customers, users and specifiers, should ensure that they examine the Company's latest Product Literature.