MasterGlenium® 3575
Polycarboxylic ether based superplasticizer for the production of high quality ready-mix concrete

DESCRIPTION
MasterGlenium® 3575 is an innovative latest generation superplasticizer based on polycarboxylic ether (PCE) polymers, and is specially engineered for ready-mix concrete.

MasterGlenium® 3575 is differentiated from conventional superplasticisers, such as those based on sulphonated naphthalene formaldehyde condensate in that it is based on a unique carboxylic ether polymer with long lateral chains. This greatly improves cement dispersion. At the start of the mixing process the same electrostatic dispersion occurs but the presence of the lateral chains, linked to the polymer backbone, generate a steric hindrance which stabilises the cement particles capacity to separate and disperse. This mechanism provides flowable concrete with greatly reduced water demand.

RECOMMENDED USES
MasterGlenium® 3575 is used for the production of high quality ready-mix concrete.

FEATURES AND BENEFITS
- Capability of delivering high performance concrete at any time to the job site in place.
- Production of a concrete with low water cement ratios with excellent workability retention properties.
- Single product for many application needs.
- Easier placing and faster strength development.
- Improved concrete surfaces.
- Insurance that concrete meets original specification.
- High quality durable concrete.

TYPICAL PROPERTIES*

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Brownish liquid</td>
</tr>
<tr>
<td>Specific gravity @ 25°C</td>
<td>1.060 - 1.080</td>
</tr>
<tr>
<td>pH value</td>
<td>7.0 - 9.0</td>
</tr>
<tr>
<td>Chloride content</td>
<td>“chloride-free” to EN 934-2</td>
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</tbody>
</table>

The occurrence of a surface layer with MasterGlenium® 3575 is normal and will have no effect on the performance of the product.

CLASSIFICATION & STANDARDS
ASTM C-494 Type F&G
BS EN 934-2

DOSAGE
The normally recommended dosage rate of MasterGlenium® 3575 is 0.45 to 1.50 litres per 100kg of total cementitious material. Other dosages may be recommended in special cases according to the specific site conditions. In this case please consult our Technical Services Department for advice.

MIXING
MasterGlenium® 3575 is a ready-to-use admixture to be added to the concrete as a separate component. Optimal result is obtained if MasterGlenium® 3575 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.
MasterGlenium® 3575

COMPATIBILITY
MasterGlenium® 3575 is not compatible with MasterRheobuild® superplasticizers.

MasterGlenium® 3575 is suitable for mixes containing:
• Microsilica (Silica Fume)
• Fly Ash (PFA)
• GGBS (ground granulated blast furnace slag)

PACKAGING
MasterGlenium® 3575 is available in 20L, 210 litre drums, 1000 litre IBCs or in bulk.

STORAGE / SHELF LIFE
MasterGlenium® 3575 should be stored out of direct sunlight and protected from extremes of temperatures. The shelf life is 12 months from date of manufacture when stored as above.

HANDLING AND TRANSPORTATION
No special requirements must be observed during use. Protection gloves and glasses are however recommended. MasterGlenium® 3575 is non-flammable, non-toxic or irritant and is not subject to special transport requirements.

PRECAUTIONS
For the full health and safety hazard information and how to safely handle and use this product, make sure that you obtain a copy of the BASF Safety Data Sheet (SDS) from BASF office or website.

QUALITY AND RESPONSIBLE CARE
All products originating from BASF Construction Chemicals South Africa are manufactured under a management system independently certified to conform to the requirements of the quality (ISO 9001), environmental and occupational health & safety standards.

* Properties listed are based on laboratory controlled tests.
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STATEMENT OF RESPONSIBILITY
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NOTE
Field service where provided does not constitute supervisory responsibility. Suggestions made by BASF either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not BASF, are responsible for carrying out procedures appropriate to a specific application.

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