

MasterPolyheed[®] 3600

Superplasticizer for the production of high quality ready-mix concrete

DESCRIPTION

MasterPolyheed 3600 is a high performance superplasticizer based on synthetic polymers, and is specially engineered for ready-mix concrete.

MasterPolyheed 3600 is formulated from unique polymers produced in-house by Master Builders Solutions .

The objective of the development of the polycarboxylic ether (PCE) admixtures is to improve the polymer performance to give enhanced rheology and robustness to the concrete.

FIELDS OF APPLICATION

MasterPolyheed 3600 is used for the production .of high quality ready-mix concrete

FEATURES AND BENEFITS

The ready-mix producer:

- Capability of delivering high performance concrete with enhanced rheology
- Concrete is easier to pump reducing pumping time and wear-and-tear on equipment.
- Concrete is easier to place and finish
- Enhanced rheology is maintained from time of mixing to time of placement.

The contractor / applicator:

- Easier placing and faster strength development
- Improved concrete surfaces

The engineer:

- Insurance that concrete meets original specification
- High quality durable concrete

PACKAGING

MasterPolyheed 3600 is supplied in, 1,000 litre containers or in bulk.

TYPICAL PROPERTIES*

Appearance	Light to medium brown coloured liquid
Specific gravity @ 25°C	1.050
pH value	5.0 – 7.0
Chloride content	"chloride-free" to EN 934-2

STANDARDS

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

APPLICATION PROCEDURE

Dosage

The normally recommended dosage rate of **MasterPolyheed 3600** is 0.8 to 2.5 litre 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

MasterPolyheed 3600 is a ready-to-use admixture to be added to the concrete as a separate component. Optimal result is obtained if **MasterPolyheed 3600** 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.

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COMPATIBILITY

MasterPolyheed 3600 is not compatible with **MasterRheobuild** superplasticizers.

MasterPolyheed is suitable for mixes containing:

- Microsilica (Silica Fume)
- Fly Ash (PFA)
- GGBS (ground granulated blast furnace slag)

STORAGE

MasterPolyheed 3600 should be stored in closed containers or storage tanks to protect from evaporation. The shelf life is 1 year when stored as above.

HANDLING AND TRANSPORTATION

No special requirements must be observed during use. Protection gloves and glasses are however recommended. **MasterPolyheed 3600** is non-flammable, non-toxic or irritant and is not subject to special transport requirements.

SAFETY PRECAUTIONS

MasterPolyheed 3600 contains no hazardous substances requiring labelling. For further information refer to the Material Safety Data Sheet.

NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local Master Builders Solutions representative.

Master Builders Solutions reserves the right to have the true cause of any difficulty determined by accepted test methods.

QUALITY AND CARE

All products manufactured by Master Builders Solutions Egypt, or imported from Master Builders Solutions affiliate companies world-wide, are manufactured to procedures certified to conform to the quality, environment, health & safety management systems described in the ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 standards.

* Properties listed are based on laboratory controlled tests.

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