

# MasterEase 3626

Superplasticizer to produce high-quality precast concrete with enhanced rheology

## MATERIAL DESCRIPTION

**MasterEase 3626** is one of the latest products developed as a result of our ongoing innovation drive. Based on a new, and patented polymerisation process, **MasterEase 3626** is specifically developed for use in the precast industry. **MasterEase 3626** has been developed to provide an improved concrete rheology without compromising the early strength development of the concrete and improved final concrete strengths.

The polymer structure of **MasterEase 3626** is specially designed to improve the rheology of precast concrete, to allow for very flowable and with low viscosity even at very low water/cement ratios. Robustness, surface finish and retention performance are a distinctive feature of the precast concrete produced with **MasterEase 3626**.

Thanks to its tailored mode of action in concrete, **MasterEase 3626** imparts a level of viscosity within a mix enabling the right balance between fluidity, passing ability and resistance to segregation to be achieved.

## AREAS OF APPLICATION

**MasterEase 3626** is used for the production of high-quality precast concrete.

## CHARACTERISTICS AND BENEFITS

**MasterEase 3626** offers the following benefits for the concrete industry:

- Production of high slump concrete or highly flowable, robust self-compacting concrete having a low water cement ratio along with an optimal rheology.
- Concrete is easier to place and finish.
- Enhanced rheology is maintained from time of mixing to time of placement.
- Insurance that concrete meets original specification
- High quality, durable precast concrete elements
- Improved surface appearance
- Elimination or reduction of the energy required for placing, compaction and curing.
- Enables SCC (Self-compacting concrete) with reduced fines content.

## PACKAGING

**MasterEase 3626** is supplied in 1000 litre containers.

## TYPICAL PROPERTIES

Appearance	Brownish
Specific Gravity @ 25°C	1.035 – 1.075
pH value	6.5 – 8.5
Chloride content	“chloride free” to EN 934-2

## STANDARDS

ASTM C-494 Type F BS EN 934-2

## DOSAGE

The normally recommended dosage rate of **MasterEase 3626** is 0.45 to 1.50 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

**MasterEase 3626** is a ready-to-use admixture to be added to the concrete as a separate component. Optimal result is obtained if **MasterEase 3626** 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.

## COMPATABILITY

**MasterEase 3626** is suitable for mixes containing:

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

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## STORAGE

**MasterEase 3626** 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. **MasterEase 3626** is non-flammable, non-toxic or irritant and is not subject to special transport requirements.

## SAFETY PRECAUTIONS

**MasterEase 3626** contains no hazardous substances requiring labelling. For further information refer to the Material Safety Data Sheet.

## NOTE

Technical support, where provided, does not constitute supervisory responsibility. For additional information contact your local MB Construction Chemicals Solutions South Africa (Pty) Ltd representative. MB Construction Chemicals Solutions South Africa (Pty) Ltd shall not be liable for technical advice provided.

MB Construction Chemicals Solutions South Africa (Pty) Ltd reserves the right to have the true cause of any difficulty determined by accepted test methods. Undertaking such tests is not, and shall not be deemed to be, an admission of liability or an assumption of any risk, loss, damage or liability.

## QUALITY AND RESPONSIBLE CARE

All products originating from MB Construction Chemicals Solutions South Africa (Pty) Ltd are manufactured under a management system independently certified to conform to the requirements of the quality standards ISO 9001, environmental and occupational health and safety standards.

\* Properties listed are based on laboratory controlled tests.

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