TECHNICAL DATA SHEET

TEKNOMIX MI



High performance mix improver for low carbon concrete

PREMCRETE

TEKNOMIX MI



DESCRIPTION

TEKNOMIX MI is a high-performance rheology-modifying admixture developed specifically for low-carbon, high-GGBS and high-SCM concrete mixes.

It improves the rheology, shear-thinning behaviour and water retention properties of the concrete mix, helping to overcome common issues associated with high-GGBS concrete, including poor workability, excess bleed water, slow curing, surface laitance, poor compaction and reduced early strength development.

By reducing internal friction within the concrete, TEKNOMIX MI promotes easier pumping, improved compaction and enhanced finishing while reducing segregation. Its advanced moisture-retention technology also supports improved hydration efficiency, curing control and long-term densification.

USES

- Low-carbon, high-GGBS and high-SCM concrete mixes.
- Large ground floor slabs and RC frame slabs.
- Pumped concrete and deep pile caps.
- Vertically poured wall sections and precast elements.
- Infrastructure, marine and chloride-exposed concrete structures.

ADVANTAGES

- Dramatically improves slump, workability, pumpability and compaction.
- Improves early maturity and strength development.
- Reduces surface laitance and improves surface hardness.
- Reduces chloride migration and supports long-term concrete durability.

TEKNOMIX MI

TECHNICAL & PERFORMANCE PROPERTIES

Property	Test Method	Typical Improvement*
Slump / Workability	N/A	≥500%
Pumpability	N/A	≥30%
Self-Compacting Performance	N/A	≥20%
Early Strength Gain	N/A	≥100%
Surface Hardness	N/A	≥30%
Chloride Migration Resistance	N/A	≥20%
Moisture Penetration Resistance	N/A	≥80%

INSTALLATION PROCEDURE

TEKNOMIX MI must always be added to the mix water prior to batching into concrete. Do not add directly onto dry cementitious materials or into the mixer in concentrated form.

Dosage

Typical dosage rate: 2L – 3L per m^3 of concrete.
Site trials are recommended to determine optimum dosage.

Compatibility

Compatible with most conventional concrete admixtures including superplasticisers, retarders and accelerators. Compatibility trials are recommended prior to use.

Finishing

Concrete containing TEKNOMIX MI typically exhibits reduced bleed water, improved cohesion and significantly earlier finishing capability compared with standard high GGBS concrete mixes.

PACKAGING & COVERAGE

Available in:

- 20L containers
- 200L drums
- 1000L IBCs
- Bulk supply upon request



STORAGE & SHELF LIFE

Store between 5°C and 30°C in dry conditions away from frost and direct sunlight.
Shelf life is 12 months in unopened containers.

HEALTH & SAFETY

Refer to the Material Safety Data Sheet prior to use. Use suitable gloves, eye protection and protective clothing during handling and application.

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