

MDX 迈地星建材

Maidixing Building Materials
Phoenix Ultra Concrete Admixtures

Phoenix Ultra

Phoenix Ultra Co., Ltd, a leading Tanzania's manufacturer of concrete admixtures. Leveraging world-leading building materials technology and experiences from MDX, as well as the latest Generative AI , Phoenix Ultra manufactures versatile and economical concrete water reducing admixtures with a wide dosage range suitable for a variety of applications and suitable for tropical and hot climatic conditions.



Key Products

Phoenix Ultra products are designed to improve the performance and durability of concrete structures. We have a wide range of products that can be used in various applications, including:

- High-strength concrete
- High-performance concrete
- Waterproof concrete
- Pumped concrete
- Early strength concrete
- Delayed setting concrete

3. MDX-7 Water reducing concrete Admixture

DESCRIPTION

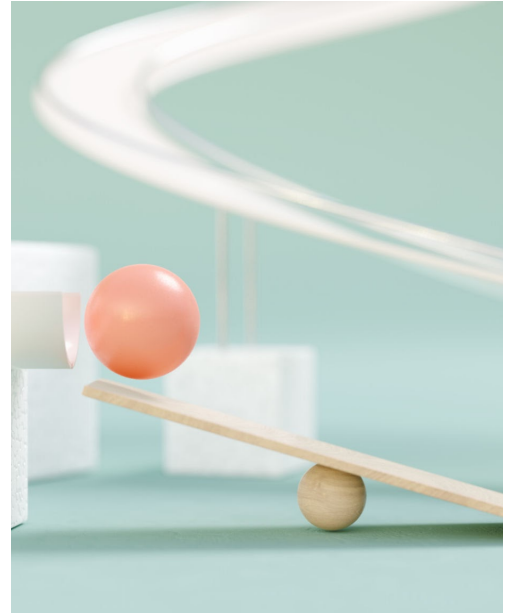
MDX-7 is a high-performance polycarboxylic acid (PCE) based water reducer that optimizes concrete for demanding structural applications. This versatile and economical admixture offers a wide dosage range, making it ideal for diverse project needs, especially in tropical and hot climates. It excels in concrete mixes utilizing coarse sand, regardless of fines content.

The admixture thus induces the following major effects in a concrete mix:

- Without affecting the consistence (workability), permits a reduction in the water content of a given concrete or
- Without affecting the water content, increases the slump/flow or
- Produces both of the above effects simultaneously.

Advantages

- Phoenix Ultra® MDX-7 uses the latest generation technology, is eco-friendly and complies with the latest international standards
- Phoenix Ultra® MDX-7 is a multi-dose admixture, allowing a wide range of dosages to be applied, without any excessive retardation at the higher dosages.
- The multi-dose characteristic of Phoenix Ultra® MDX-7 allows concrete to exhibit extended workability characteristics.
- When used to reduce the water content of a concrete mix (lower the w/b ratio) Phoenix Ultra® MDX-7 may potentially reduce the rate of bleeding.
- Phoenix Ultra® MDX-7 improves the cohesion and lowers the viscosity of a concrete mix.
- This results in an improved homogeneity and compaction, allowing for superior off-shutter finishes.
- By reducing the need to add extra water, Phoenix Ultra® MDX-7 increases the durability of concrete, by reducing permeability.



Dosage

The optimum dosage of Phoenix Ultra® MDX-7 can be established by using trial tests, taking into account local conditions affecting the workability of the fresh mix and the mechanical properties required of the concrete.

Range:

- By volume: 0.5 to 2.0 litres per 100 kg of cementitious material (including extenders)
- By weight: 0.6 to 1.3 kg per 100 kg cementitious material (including extenders)

PRODUCT INFORMATION

Composition	Modified polycarboxylate
Packaging	1000L IBC
Appearance / Colour	Clear
Shelf life	12 months from date of production if stored properly in undamaged, unopened, originally sealed packaging
Storage conditions	In a dry area between 5°C and 35°C. Protect from direct sunlight, frost and contamination