Ekan® MIX 1071

New generation superplasticizer with high water reduction and rapid early strength development for precast concrete

Precast Admixtures
Hyperplasticizers



T.3.1 / T.3.2

CHARACTERISTICS

EKAN® MIX 1071 is a new generation polycarboxylate-based superplasticizing additive, designed for self-compacting precast concrete (SCC) requiring high fluidity and rapid initial strength development. Thanks to its advanced formulation, it allows for a significant reduction in the water/cement ratio, improving rheology and ensuring excellent flow and mold-filling capacity, even in the presence of dense reinforcement and complex geometries.
The use of **EKAN® MIX 1071** allows for SCC concrete with high workability and stability, accelerating the handling and demolding of precast elements, increasing productivity without compromising the surface quality, durability, and homogeneity of the finished product.
It must not be mixed or used in combination with naphthalene-based additives.

INSTRUCTIONS FOR USE

Areas of use

- Precast concrete columns, beams, and slabs
- Precast concrete segments for tunnel construction
- Beams and decks for large-scale viaducts
- Railway sleepers
- Water tanks and storage structures
- Radiation and impact-resistant precast concrete modules
- High radiation-resistant concrete panels

Application

Dosage: 0.5 kg – 2.2 kg per 100 kg of cement.
EKAN® MIX 1071 is completely water-soluble. For best performance, it is recommended to add the product to the second half of the mixing water.
The optimal dosage of EKAN® MIX 1071 should be established after on-site trials aimed at achieving the desired compressive strength and workability.
For further details, please contact EKAN technical staff and/or sales representatives.

TECHNICAL DATA

Appearance: Homogeneous

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Color: Light brown
Density: 1.08 ± 0.03 kg/L
pH: 4.5 ± 1.0
• Bulk
• 1000 L plastic IBC tank

CERTIFICATIONS

Zero rifiuti

EN 934-2

9001 : 2015

14001 : 2015

45001 : 2018

PRECAUTIONS

The shelf life of EKAN® MIX 1071 is 12 months when stored in its original packaging in a dry environment protected from direct sunlight.
After a long period of inactivity, shake/mix the product or use a circulation pump to homogenize it before use.
After a freeze/thaw cycle, mix the product before use.
Avoid contact with eyes and skin.
Detailed health and safety information is available in the Material Safety Data Sheet (MSDS).

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