

Ekan® MIX 1044

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 1044 It is a new-generation, high-range water-reducing, polycarboxylate-based superplasticising admixture. **EKAN® MIX 1044** Facilitates the workability and placement of concrete while ensuring a good concrete surface. It contributes to improving the rheology of the concrete, aiding in maintaining consistency and homogeneity. It is suitable for use in conditions where high workability is desired. **EKAN® MIX 1044** Significantly decreases the water/cement ratio, thereby increasing both the early and final compressive strength and the durability of precast concrete. **EKAN® MIX 1044** should not be mixed with naphthalene sulfonate based products.

INSTRUCTIONS FOR USE

Areas of use

- Precast concrete columns, beams, and slabs
- Precast concrete segments for tunnel construction
- Large-scale viaduct girders and decks
- Railway travers
- Water tanks and water storage structures
- Radiation- and impact-resistant precast concrete modules
- Concrete panels with high radiation resistance

Applicazione

Dosage: 0.5 kg – 2.2 kg per 100 kg of cement. EKAN® MIX 1044 is completely soluble in water. For best performance, it is recommended to add the product to the second half of the mixing water. The optimal dosage should be established after local tests on the desired mechanical properties of the concrete and the workability of the mix. For further information, contact EKAN's technical sales personnel.

TECHNICAL DATA

Appearance: Homogeneous
Color: Light brown
Density: 1.08 ± 0.03 kg/l
pH: 4.50 ± 1.5

- Bulk
- 1000 kg/L plastic IBC tank

CERTIFICATIONS



Zero rifiuti



EN 934-2



9001 : 2015



14001 : 2015



45001 : 2018

PRECAUTIONS

The shelf life of EKAN® MIX 1044 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).