



IKSA Construction Chemicals & Concrete Additives

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IKSAMENT MR-25

Water Reducer, Plasticizer Concrete Additive.

DESCRIPTION

IKSAMENT MR-25 is a ready to use, modified lignin sulfonate based, mid range concrete plasticizer. It improves the properties of both fresh and hardened concrete.

STANDARTS

IKSAMENT MR-25 conforms to ASTM C494 type A and EN 934-2 Table:2 Water Reducing/Plasticizing admixture. IKSAMENT MR-25 is signed with the CE marking according to the technical requirements of the European Standard EN934-2:2001+A2:2005. Certification No: 1783-CPD-001

APPLICATION

IKSAMENT MR-25 is a mid range plasticizer for concrete and cement based mixtures. IKSAMENT MR-25 especially increases the fluidity of concrete through higher plastification and homogeneity of concrete hence higher pumping rates. While increasing the cohesion of the concrete, It avoids the separation of the aggregate in concrete resulting higher final strength. Regarding to the amount used, It may behave as a superplasticizer. It does not contain corrosive substances like chloride or any other substance that affects the durability negatively. IKSAMENT MR-25 is used widely for the applications where neat outer surface is important and at which the section to be placed in is congested and placing without voids.

ADVANTAGES:

- Regarding the dosage used requirement of gauging water can be reduced by 5%-12%.
- Regarding the dosage used minimizes the slump losses.
- Increases the workability time without the risk of segregation.
- Gauging water requirement can be reduced without affecting the workability.
- Respect to the reduction of gauging water, increases the final strength.
- During setting of the concrete, increases the reaction rate of strength gain.
- Stops unnecessary air entrainment into the concrete in order to form homogeneous and compact concrete.

METHOD OF APPLICATION

IKSAMENT MR-25 is supplied as ready for use. It should be mixed into the gauging water. The consumption varies between 0.4 to 1.2% of cement weight. The retardation and plastification effect changes with respect to the dosage used. The best dosage should be determined through tests at jobsite. The optimum dosage is determined as 0.8% of the cement weight.

PHYSICAL PROPERTIES

Type	: Lignin Sulphonate based.
Appearance	: Dark brown colored liquid
Density (ca.)	: 1,20±0, 03kg/L
pH	: 6,50 – 8,00
Na ₂ O equivalent	: ≤ 10% (EN 480-12)

PACKING

IKSAMENT MR-25 is supplied in 35kg plastic, 250kg steel drums, 1250kg cubitainers and bulk.

STORAGE

IKSAMENT MR-25 has 1 year shelf life in sealed and undamaged containers. The storage is to be done in places protected against freezing. Very slow thawing is possible with less than 50°C never through direct flame.

SAFETY

IKSAMENT MR-25 is a nontoxic material. No special precaution is required during handling. For detailed information MSDS is available.

Regarding the design, development, production and distribution of its products, IKSA is certified and applies the quality assurance system ISO 9001. In addition, IKSA Integrated Management System involves ISO 14001 and ISO 18001. Certificate Numbers: 12 300 0334 – 12 104 34115 TMS – 12 400 0023

The details for our products and their possible uses indicated above should be understood as advisory only, to the best of our knowledge. The details do not constitute any guarantee or legal commitment and must be verified for each individual application.