



IKSA Construction Chemicals & Concrete Additives

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IKSAPLAST 10

Water Reducer, Plasticizer Concrete Additive.

DESCRIPTION

IKSAPLAST 10 is a ready to use, lignin sulfonate based, general purpose concrete plasticizer.

STANDARTS

IKSAPLAST 10 conforms to ASTM C494 type A and EN 934-2 Table:2 Water Reducing/Plasticizing admixture. IKSAPLAST 10 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

IKSAPLAST 10 is a mid range plasticizer for concrete and cement based mixtures. IKSAPLAST 10 is a general purpose plasticizer due to its excellent contribution in workability and final strength characteristics of concrete, for civil and structural applications. It does not contain corrosive substances like chloride or any other substance that affects the durability negatively.

ADVANTAGES:

IKSAPLAST 10 furnishes the following:

1- During concrete mixing and in fresh concrete:

- Improved workability and reduction of gauging water, resulting increased placing rate.
- Increase in fluidity of concrete through higher plastification and homogeneity of concrete hence higher pumping rates.
- Avoiding the separation of the aggregate in concrete.
- Reduction in gauging water up to 10-15%.
- Easy placing in narrow and difficult sections.

2- In set concrete:

- Higher final strength with less amount of cement.
- Homogeneous and compact concrete due to reduced gauging water.
- Increased high pressure water resistance by reduction of osmosis phenomena.
- Avoiding crack formation even in large mass of concrete through positive effect on hydration temperature.
- Avoiding sudden moisture loss through keeping the water for setting.
- Smooth external look on surface.

METHOD OF APPLICATION

IKSAPLAST 10 is supplied as ready for use. It should be mixed into the gauging water. The consumption varies between 0.5 to 1.5% 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 0.9% of the cement weight.

PHYSICAL PROPERTIES

Type	: Lignin Sulphonate based.
Appearance	: Dark brown colored liquid
Density (ca.)	: 1,15±0,03kg/L
pH	: 6,50 – 8,00
Na ₂ O equivalent	: ≤ 10% (EN 480-12)

PACKING

IKSAPLAST 10 is supplied in 35kg plastic, 250kg steel drums, 1200kg cubitainers and bulk.

STORAGE

IKSAPLAST 10 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

IKSAPLAST 10 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.

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.