

LNA 512

High effective Superplasticizer

Complies with Israeli standard 896

Description: LNA 512 superplasticizer of third generation for concrete and mortar. The admixture entirely fit to all requirements for water reducing admixtures and superplasticizer.

Product area: LNA -512 is especially intended for concrete mixes with prolonged period of transportation and forming, for flowable concrete and concrete with high water reduction ability. The product is primarily aimed for (i) ready-mixed concrete with prolonged period of flowability; (ii) high strength concrete and reinforced concrete precast; (iii) concrete with high water reduction ability (up to 30%, in comparison with control mix without the admixture); (iv) concrete with high flowability; (v) waterproof concrete and concrete resistant to chloride ions.

Advantages: Intensive strength growth in combination with prolonged flowable period of concrete mix; high water reduction (consequently, high compressive strength and high concrete density); high flowability of concrete mix (as a result, easiness of concrete forming); enhanced early strength due to high water reduction; reducing shrinkage and cracking; improve resistance to carbonization. LNA-512 do not contain chloride or other compounds caused steel corrosion. LNA-512 can be used for manufacture of steel and pre-stressed reinforced concrete constructions.

The main properties

Classification	LNA-512
Appearance	Yellow-green liquid
Specific gravity, 20°C, g/cm ³	1.06 -1.1 g/cm ³
pH, 20°C	7.0 ± 1.5
Chloride content, %	Less than or equal to 0.10
Solid content, %	20±2

Dosage: Recommended dosage: for ordinary flowable concrete mixes: 2-3% by mass of cement for concrete with high flowability and self-compacting concrete mixes and high grade and special type of concrete: 3-4.4% by mass of cement.

Possible to use different dosages for special works, but then it requires preliminary experience

Methods for use: LNA -512 add only after adding 50%-70% of water.

Do not add the admixture to dry aggregates.

Mix until the concrete is homogenous.

Suitable:

For all type of work with cement.

For all type ordinary Portland cement and with addition of PFA or microsilica.

Should not be used with admixture based on naphthalene sulfonate.

Please consult our technical services department in order to optimize special requirements for use with complementary additives.

Packaging:

In 1,000 liter containers.

Storage conditions/ shelf-life: Length of storage not to exceed 6 months.

Store in temperature of + 5° to + 40° C.

The freezing point is approx -2° C.

Safety:

LNA -512 is not defined as dangerous material.

Avoid direct contact with skin and eyes.

Use gloves.

In case of contact with the material wash immediately with plenty of water and seek medical advice.

Not for eating.

Fire:

LNA -512 is based on water and is not flammable.

13 Habonim st Kiriat Gat 8211202 ISRAEL

Tel:972-8-6204040 , Fax:972-8-6460321

E-mail:Stella@larisplast.com

