



# IKSA Construction Chemicals & Concrete Additives

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## İKSANIT L-10

### WET MIX SHOTCRETE AND GUNITING ACCELERATOR

#### DESCRIPTION

İKSANIT-L10 is an aluminate based quick setting admixture used in wet-mix shotcreting and guniting works.

#### STANDARTS

Conforms to ASTM C1141 Type II Class A and TSEN 934-5

#### APPLICATION

İKSANIT-L10 is a noncorrosive liquid and used with sprayed concrete for consolidating rock surface in tunnels, galleries, retaining walls and concrete linings applied through wet mix shotcreting and guniting.

#### ADVANTAGES

The followings are the major advantages of İKSANIT-L10 beyond the others:

- Substantial reduction of rebound with lower amount of accelerator with improved final strength.
- Homogenous distribution in concrete.
- Improved water tightness and adhesion to the wet and damp surfaces.
- Extremely high initial strength.
- No dust at the jobsite, resulting in higher production rate with ease and comfort.
- Elimination of human factor causing final strength variation (compared with dry-mix).
- Easier control of amount added through dosing pump.
- Compatible with concrete additives and admixtures.

#### METHOD OF APPLICATION

İKSANIT-L10 is supplied in liquid form ready for use. Dosage is between 3 to 6% by weight of cement used, depending upon mix design, ambient temperature, substrate.

İKSANIT-L10 is adjusted for different kinds of cement used and optimum dosage to be determined through tests at the jobsite. It is added into the ready mix concrete at the shotcret nozzle with a dosage pump.

#### PHYSICAL PROPERTIES

Chemical Structure	: Alumina based inorganic mixture
Appearance	: Dirty yellow colored liquid
Density	: 1,45±0,03 kg/L
Water Soluble Chloride	: ≤ %0,1 (TS EN 480-10)

#### PACKING

İKSANIT-L10 is supplied in 300kg steel drums, 1400kg cubitainers or bulk.

#### STORAGE

İKSANIT-L10 should be stored in places protected against freezing and mechanical damages. The shelf life of unopened containers is 6 months.

#### SAFETY

İKSANIT-L10 is alkaline liquid; therefore the regular precautions as use of gloves and goggles are required, during handling. If contacted to skin, wash with acetic acid solution. If contacted to eye, wash the eyes with boric acid solution. MSDS is available.

Regarding the design, development, production and distribution of its products, İKSA is certified and applies the quality assurance system ISO 9001. In addition, İKSA Integrated Management System involves ISO 14001 and ISO 18001 with the certificate numbers of 12 300 0334/01, 12 104 34115 TMS and 12 400 0023

#### TECHNICAL ASSISTANCE

Technical assistance is offered for material selection, mix design, application procedures and specifications preparations, and product testing.

*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.*