



# IKSA Construction Chemicals, Concrete Additives & Underground Technologies

Mebusevleri İller Sk. 23/1  
Tandoğan 06580 - ANKARA  
Tel : (+90 312) 212 99 90 PBX)  
Fax : (+90 312) 212 99 89

## IKSANIT AS-60

### ALKALI-FREE WET MIX SHOTCRETE AND GUNITING ACCELERATOR

#### DESCRIPTION

**IKSANIT AS-60** is an alkali free 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

**IKSANIT AS-60** 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 IKSANIT AS-60 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.
- 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 other concrete additives (pumping aids etc.) and admixtures (superplasticizers etc.).

#### METHOD OF APPLICATION

**IKSANIT AS-60** is supplied in liquid form ready for use. Dosage is between 4 to 10% by weight of cement used, depending upon mix design, ambient temperature, and substrate. IKSANIT AS-60 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 shotcrete nozzle with a dosage pump.

#### PHYSICAL PROPERTIES

Chemical Structure	: Aluminum Sulphate based
Appearance	: white colored colloid
Density	: 1,40±0,03 kg/L
pH	: 3,00±1,0
Water Soluble Chloride	: ≤ %0,1 (TS EN 480-10)
Alkali Content	: ≤ %1 (TS EN 480-12)

#### PACKING

**IKSANIT AS-60** is supplied in 300kg plastic drums, 1400kg cubitainers or bulk.

#### STORAGE

**IKSANIT AS-60** should be stored in places protected against freezing and mechanical damages. The shelf life of unopened containers is 6 months.

#### SAFETY

Although **IKSANIT AS-60** is an acidic colloidal liquid; it is not hazardous. The regular precautions as use of gloves and goggles are required, during handling. Avoid being in touch with the product. If contacted to skin and eye, wash with plenty of water. 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 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.*