

# TECHNICAL SHEET

## Sigunit® L-50 AF

Additive liquid accelerant for concrete and shotcrete mortar, free of alkalis

### PRODUCT DESCRIPTION

**Sigunit® L-50 AF** liquid additive accelerating of setting time for all types of concrete and mortar shotcrete dry or wet. Alkali free.

### APPLICATIONS

**Sigunit® L-50 AF** can be used in the preparation of concrete and mortar designed by existing methods (dry and wet) where rock consolidation, embankments and high initial strengths are required.

### ADVANTAGE

- Alkali free.
- Improve the adhesion between the projected material and the substrate.
- Decreases the permeability of the shotcrete.
- Reduces rebound during the throw.
- Offers high early and final resistance to compression.
- Allows the application of greater thicknesses in vertical or overhead.

### BASIC DATA

#### APPEARANCE

- Viscous liquid.

#### COLOR

- Opaque translucent.

#### STORAGE

Keep cool and indoors, keeping the product in the original container tightly closed.

#### CURRENT TIME

9 months from the date of manufacture.

#### PRESENTATION

- Drum 250 kg
- Bulk 1 kg

### TECHNICAL DATA

#### DENSITY

1.35 ± 0.03 kg/L approx.

#### RULES

Meets ASTM C 1141, Type I y II, grade 9, class A.

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## APPLICATION

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### DOSAGE

From 4% to 10% referred to weight of cement.

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### HOW TO USE

- **Sigunit® L-50 AF** accelerator additive will be added, whatever the method of release by means of a liquid additive dispenser of the Aliva AL-403 or similar.
  - It is recommended to use a dose of 4% to 10% of the weight of the cement.
  - It is possible to use higher or lower dosages performing previous tests.
  - It is necessary to consider that the accelerating effect in cement mixtures depends on the temperature, the dosage of the concrete and the type of cement to be used.
  - In important tasks, preliminary tests must be carried out to determine the optimum dosage of the additive and the most convenient cement dosage, both for the initial and final resistance.
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### TOOL CLEANING

Clean all tools and application equipment with water immediately after use.

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### NOTES

All the technical data indicated in this Product Data Sheet are based on laboratory tests. The actual measurements of this data may vary due to circumstances beyond our control.

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### LOCAL RESTRICTIONS

It must be taken into account that as a result of specific local legislations, the execution of this product may vary from country to country.

Consult the most recent Technical Data Sheet and Safety Data Sheet prior to any use. Available at the Sika Local company and / or on their respective website.

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## SAFETY INSTRUCTIONS

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### HANDLING PRECAUTIONS

When handling any type of chemical product, avoid direct contact with the eyes, skin and respiratory tract.

It is recommended to protect yourself using rubber gloves and safety glasses. In case of contact with eyes, wash immediately with plenty of water for 15 minutes keeping the eyelids open and see a specialist.

At the same time it is recommended wash your hands before eating foods.

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### ECOLOGY

Don't dispose the product on the ground or watercourses, but in accordance with the local regulations and previous neutralization. For more information, request the product sheet.

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## LEGAL NOTE

The information, and in particular recommendations on the application and end use of Sika® products are provided in good faith based on knowledge and experience the products as long as they are properly stored and manipulated, as well as applied under normal conditions according to Sika® recommendations.

In the practice, differences in materials, substrates and conditions where apply Sika® products, don't allow us to issue guarantees regarding the marketing or adaptability of the product for particular purposes, as well as no legal or contractual liability can derive from this information or of any written recommendation or technical advice provided.

The product user must try the suitability of the product for the application what want to do.

Sika® reserves the right to change the properties of its products, the third-party property rights must be respected.

All orders accepted by SIKA BOLIVIA S.A. are subjected to our current terms of sale and delivery of products. The users must always refer to the latest version of the Technical Data Sheets of the product, which can be copied and delivered by our sales department at the request of the user or through our website: <http://bol.sika.com>

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