

## Sigunit®-L5346 AF

### Alkali-free shotcrete accelerator

#### Description

High-performance, liquid, alkali-free, shotcrete accelerator Sigunit®-L5346 AF is approved regarding BASTA-system. Sigunit®-L5346 AF is certified according to EN 934-5, T2. CE-certificate nr: 2605-CPR-704.

#### Usage

The main fields of application for Sigunit®-L5346 AF are:

- Temporary support in tunneling
- Rock support and slope protection
- High-quality lining shotcrete

#### Technical data

<b>Color</b>	White viscous liquid
<b>Density</b>	1,47 ± +0,03 kg/dm <sup>3</sup>
<b>pH-value</b>	3 ± 1
<b>Chloride cont.</b>	<0,10 % by weight of liquid
<b>Alkali cont., ekv Na<sub>2</sub>O</b>	<0,50 % by weight of liquid
<b>Corrosive properties</b>	Not relevant when proper storage is used
<b>Dry content</b>	46 ± 1 %
<b>Viscosity</b>	Easy flowing liquid
<b>Dosage</b>	Approx. 2-10 % by weight of cement
<b>Place of production</b>	Sika Sverige AB Domnarvsgatan 15 SE-163 53 Spånga SWEDEN

**Packing** Barrel 280 kg, IBC 1400 kg and tank truck.

**Storage/Shelf life** 6 months from date of delivery in barrels, IBC or tank truck.  
Material must be stored free from frost.  
Stir product before use, avoid air intrusion.

**Hazardous substances** See separate Safety Data Sheet.

#### Application

- Normal dosage 2-10 % bwoc.
- Concrete temperature shall not be lower than +15°C.
- Sigunit®-L5346 AF shall not be used below +15°C; lower temperature can result in higher dosage to reach optimum results.
- Sigunit®-L5346 AF are not compatible with silicate based admixtures or additives.
- Performance of Sigunit®-L5346 AF are due to:
  - Concrete mix design
  - Type of cement
  - W/C-ratio
  - Concrete temperature
  - Surface structure of casted area
  - Thickness of concrete
  - Dosage of accelerator
- Developed for shot crete with high demands of early strength.
- With the right conditions the concrete can reach 4-7 MPa in 4h.
- Loss in 28d strength can be minimal when the right concrete mix design is used.
- The steel quality of metal parts witch comes in contact with Sigunit®-L5346 AF should be made in stainless steel.
- Pre-trials shall always be performed in advance to evaluate that desired properties of wet and hardened concrete is fulfilled.



## Health & Environment Legal

See separate Safety Data Sheet.

In case of doubt, always follow the directions given on the pack or label. The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request or SIKA Sweden AB homepage [www.sika.se](http://www.sika.se)



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