

# PRODUCT DATA SHEET

## Sika® Sigunit® L-2721 AF

Alkali-free shotcrete accelerator

### PRODUCT DESCRIPTION

High-performance liquid alkali-free shotcrete accelerator.

### USES

The main fields of application for Sika® Sigunit® L-2721 AF are:

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

### PRODUCT INFORMATION

<b>Packaging</b>	Can 29.6 kg, drum 296 kg, IBC 1480 kg and tanker truck
<b>Appearance / Colour</b>	Yellow/white turbid viscous liquid
<b>Shelf Life</b>	6 months from date of delivery
<b>Storage Conditions</b>	Material must be stored free from frost. Stir product before use, avoid air intrusion.
<b>Density</b>	1,44 ± 0,03 kg/dm <sup>3</sup>
<b>pH-Value</b>	3,0 ± 0,5
<b>Conventional Dry Material Content</b>	50,0 ± 2,5 weight- %
<b>Viscosity</b>	Easy flowing liquid
<b>Total Chloride Ion Content</b>	< 0,10 % by weight
<b>Equivalent Sodium Oxide</b>	< 0,50 % by weight

### CHARACTERISTICS / ADVANTAGES

Developed for shotcrete with high demands of early strength. With the right conditions the concrete can reach 4-7 MPa in 4h.

### APPROVALS / STANDARDS

CE Marking and Declaration of Performance to EN 934-5 - Admixtures for sprayed concrete - Set acceleration admixtures

## TECHNICAL INFORMATION

### Concreting guidance

Performance of Sika® Sigunit® L-2721 AF depends on:

- Concrete mix design
- Type of cement
- W/C-ratio
- Concrete and underlay temperature
- Surface structure of casted area
- Thickness of concrete
- Dosage of accelerator

## APPLICATION INFORMATION

### Recommended Dosage

4-10 % by weight of cement

### Compatibility

Sika® Sigunit® L-2721 AF is **not mixable** with alkaline aluminate / silicate based admixtures or additives.

### Restrictions

- Concrete temperature shall not be lower than +15°C.
- Sika® Sigunit® L-2721 AF shall not be used below +15°C; lower temperature can result in higher dosage to reach optimum results.

### Equipment

The steel quality of metal parts which comes in contact with Sika® Sigunit® L-2721 AF should be made in stainless steel.

## VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

## LEGAL NOTES

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 accordance with Sika's recommendations. 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 user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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