

## PRODUCT DATA SHEET

## Sika® Air Pak

Air entraining concrete admixture

## PRODUCT DESCRIPTION

Sika® Air Pak is a powdered air entraining admixture which is formulated from synthetic surfactants. Sika® Air Pak is packaged in water soluble bags to enable ease of addition and handling.

## USES

Typical applications include:

- Concrete requiring high resistance to freeze/thawing cycles
- Concrete that will be exposed to tidal conditions, splash zones and de-icing salts

## CHARACTERISTICS / ADVANTAGES

Sika® Air Pak has the following characteristics:

- Consistent bubble size and spacing
- Increase in cohesion
- Provides improved rheology
- Less segregation and bleed
- Packaged in water soluble bags for easy dispensing

## APPROVALS / STANDARDS

Conforms to the requirements of BS EN 934-2 Table 5 DoP 65221305, certified by Factory Production Control Body 0120, and provided with the UKCA mark

## PRODUCT INFORMATION

Chemical Base	Powdered blend synthetic surfactants
Packaging	60 x 0.25 kg water soluble bags in sealed tub
Shelf Life	12 months from date of production if stored properly in undamaged unopened, original sealed packaging.
Storage Conditions	Store in dry conditions at temperatures between +5°C and +25°C. Protect from direct sunlight and frost.
Appearance / Colour	Pale Grey Powder
Bulk Density	0.95 kg/L
Total Chloride Ion Content	<0.1% w/w (chloride free)
Equivalent Sodium Oxide	<0.4 % w/w (alkali content)

# TECHNICAL INFORMATION

## Specific Advice

- Sika® Air Pak is only suitable for use in concrete with <50mm slump, i.e. semi-dry/extruded concretes, subject to trials to ensure mixing efficacy.
- Due to the significant number of constituent, mix design, manufacture and placing related factors outside Sika's control, bubble spacing determination should be carried out by the concrete producer to ensure compliance with BS EN 934-2. Bubble spacing should be completed using the specific concrete constituents/admixture combinations.
- Overdosing may cause an excessive increase in air-entrainment that will lower the compressive strength.

## APPLICATION INFORMATION

### Recommended Dosage

1-4 bags/m<sup>3</sup>

### Dispensing

- Sika® Air Pak should not be added to the gauging water.
- When added directly to a truck mixer, the mixer shall rotate its drums at maximum revolutions for at least 1 minute per m<sup>3</sup> concrete and a minimum of 5 minutes to achieve a uniform mix.

### Compatibility

Sika® Admixtures

- Compatibility information available on request.
- Trials are recommended before combining products in specific mixes. Please contact our Technical Service Department for information and advice about any specific combinations.

## VALUE BASE

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

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### APPLICATION METHOD / TOOLS

- The standard rules of good concreting practice, concerning production and placing, are to be followed.
- Laboratory trials shall be carried out before concreting on site, especially when using a new mix design or producing new concrete components.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

## 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.

### SIKA LIMITED

Watchmead  
Welwyn Garden City  
Hertfordshire, AL7 1BQ  
Tel: 01707 394444  
Web: [www.sika.co.uk](http://www.sika.co.uk)  
Twitter: @SikaLimited



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