

PRODUCT DATA SHEET

Sika® Aer Liquid

Air-includer and plasticizer admixture for concrete

DESCRIPTION

Air-includer and plasticizer liquid admixture for concrete. Incorporates a controlled amount of air of air into the concrete to improve its properties. Conforms to ASTM C 260. ASTM C 260.

USES

The **Sika® Aer Liquid** is mainly used in the production of concrete when required:

- Reduce permeability.
- Concretes exposed to freeze-thaw.
- Increase durability and resistance to aggressive environments (sea water, sulfated water or soils, etc.).
- Prevent concrete exudation and the corresponding formation of capillaries.
- Prevent concrete segregation during transportation.
- Improve pumpability of concrete with sand fines deficiency.
- Increase workability of mixes with crushing aggregates.

CHARACTERISTICS / ADVANTAGES

- Controls the exudation of the mix.
- Makes concrete more durable and resistant to aggressive environments.
- It is an excellent aid in concrete pumping.
- Significantly improves the appearance and consistency of rough mixes.
- Does not affect setting time.

PRODUCT INFORMATION

Packaging	Bucket 19 Lt
Appearance / Colour	Liquid amber
Shelf Life	Twelve (12) months in its original tightly closed container
Storage Conditions	Keep in its original container tightly closed and undamaged, store at a temperature between +7° C and +27° C. at a temperature between +7° C and

+27° C.

Protect from direct sunlight Protect from direct sunlight and humidity, store in a cool, dry place.

Density

1.23 kg/l approx.

TECHNICAL INFORMATION

Concreting Guidance

Add the **Sika® Aer Liquid** in the last 10% of the mixing water during concrete production.

Specific Advice

More than 6% air in concrete decreases compressive strengths. Air content can be affected by site temperature, cement quantity and fineness, and mixing time.

APPLICATION INFORMATION

Recommended Dosage

From 0.02% to 0.04% of the weight of cement (0.2 to 0.4 ml per kilo of cement). The air content should be verified by means of a pot to measure air content and the dosage should be adjusted according to the result.

The optimum dosage should be determined by testing with the materials and job site conditions.

The use of air entraining admixtures in concrete requires a perfect control over:

- The granulometry of the mix, especially in the fine aggregate zone.
- The admixture dosage and the air content obtained.
- The mixing time should be increased by approximately 25% to favor the formation of air bubbles.

BASIS OF PRODUCT DATA

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

For any information related to safety issues in the use, handling, storage of this product and waste disposal, users should consult the most up-to-date version of the product Safety Data Sheet, which contains physical, ecological, toxicological data and other issues. security related; copies of which will be sent to whoever requests them, or through the page "www.sika.com.mx".

LOCAL RESTRICTIONS

Please note that because of specific local regulations, the declared data and recommended uses for this product may vary from country to country. Refer to the local product data sheet for exact product data and uses.

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Product Data Sheet
Sika® Aer Liquid
March 2025, Version 02.01
021403021000000001

LEGAL NOTES

This information and, in particular, the recommendations regarding the application and final use of the product, are given in good faith, based on Sika's current knowledge and experience of the products when properly stored, handled and applied, in normal situations, within its lifetime and in accordance with Sika's recommendations. In practice, the possible differences in the materials, supports and actual conditions in the place of application are such, which cannot be inferred from the information of this document, nor from any other written recommendation, nor from any advice offered, no guarantee in terms of marketing or suitability for particular purposes, or any obligation outside any legal relationship that may exist. The user must test the suitability of the products for the desired application and purpose. Sika reserves the right to modify the properties of its products. property rights of third parties are reserved. Orders are accepted in accordance with the terms of our current General Conditions of Sale and Supply. Users must know and use the latest and updated version of the Product Data Sheets, copies of which will be sent to whoever requests them, or through the page www.sika.com.mx. Ensure the handling of loads according to NOM-036-1-STPS-2018.

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