

Product Information

SITREN AirVoid® 651

PRODUCT DESCRIPTION

SITREN AirVoid® 651 is a powdered air entrainer based on synthetic, amphoteric surfactant technology.

Typical Properties

Property	Unit	Value
Appearance		White, free flowing powder
Bulk Density	kg/m ³	150-350

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

SITREN AirVoid® 651 is used as a strong air entrainer for various cement-, lime- and gypsum-based systems. Typical application areas include

- Thermal insulation systems (EIFS/ETICS)
- Indoor and outdoor renders
- Stucco and insulating plaster
- Repair mortars
- Lightweight construction
- Skim coats

BENEFITS & ADVANTAGES

SITREN AirVoid® 651 provides the following benefits

- Strong, predictable air stabilizing properties
- Effective control of air void size and pore size distribution
- Enables faster wetting of dry mortar systems
- Improves workability, the ability to trowel and flowability of technical mortars
- Offers effective freeze-thaw resistance
- Reduced risk of efflorescence in the hardened mortar

Further information is available on request.

DOSAGE

Depending on the application the dosage may vary from 0.005 – 0.1 wt. % referred to total amount of dry components.

Suitable screening tests are recommended prior to use.

For first trials we recommend 0.05 % SITREN AirVoid® 651.

HANDLING & PROCESSING

SITREN AirVoid® 651 is used as delivered.

SITREN AirVoid® 651 blends easily with other mortar components. It is a free flowing powder and can be easily dosed in production.

PACKAGING

Cardboard box à 25 kg

Pallet à 300 kg (12 x 25 kg)

Pallets should be stacked two high maximum.

SHELF LIFE

SITREN AirVoid® 651 may be stored in closed containers for at least 12 months. The product should be stored under frost free conditions; storage temperature should not exceed 50°C.

It will remain safe to use for a longer period. However, product quality should be verified by appropriate tests.

HAZARDOUS SUBSTANCE

Information concerning

- Classification and labelling according to regulations for transport and for dangerous substances
- Protective measures for storage and handling
- Measures in case of accidents and fire
- Toxicity and ecological effects

is given in our material safety data sheets.

REGISTRATION LISTING SUMMARY

Based on the submitted information of our raw material suppliers we can confirm, that SITREN AirVoid® 651 is compliant with EC Regulation 1907/2006 (REACH).

The relevant components of SITREN AirVoid® 651 are listed/registered or exempt in the following chemical inventories:

Registration Listings	
Registry	Status
Australia (AICIS)	Yes
Canada (DSL)	Yes
China (IECSC)	Yes
European Union (EINECS/ELINCS)	Yes
Japan (ENCS)	Yes
New Zealand (NZIoC)	Yes
Taiwan (TCSI)	Yes
United States of America (TSCA)	Yes

Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Evonik Operations GmbH

Interface & Performance
Goldschmidtstraße 100
45127 Essen, Germany
Phone Europe +49 201 173-2665
Phone Asia +86 21 61191 125
Phone Americas +1 804 727 0700
interface-performance@evonik.com
evonik.click/interface-performance