

CONTOPP®

AEROCRETE SFS 4

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PROPERTIES

PRODUCT DESCRIPTION

AEROCRETE SFS 4 is a liquid admixture with foaming, liquefying and accelerating properties. When using AEROCRETE SFS 4 with adequate mixing devices the resulting light-weight mortar will deliver the following performance:

- Reduction of thermal conductivity
- Increased flow
- Faster hardening and drying
- Reduction of shrinkage
- Fully compatibility with all common EPS-aggregates

APPLICATION AREA

- To produce light screed mortar for aerated screed, floating thermal insulation screeds and levelling screeds with thermal insulating properties.
- To be used as an admixture together with light-weight beads without external foaming generator.

TECHNICAL DATA

CHARACTERISTICS

Raw material basis:	synthetic tensides
Colour:	milky blue
Form:	liquid
Density (at 20 °C):	1.10 ± 0.02 g/ml
Processing temperature:	above + 5 °C
Shelf life:	Approx. 12 months – protect from frost and direct sunlight
Supply form:	Disposable container: PE-HD-can: 20 kg total Reusable container: Container: 1000 kg total (Delivery in silo-trucks on demand)

MIXING MODEL

¹⁾ according to EN 13055

²⁾ corresponds to 1.5 V-% of the cement weight

Formulation per mix (1000 ltr.)	Model 1	Model 2	Unit
Cement	270	150	kg
EPS light aggregates ¹	750	800	ltr.
Aerocrete SFS 4	4.1 ²	2.3 ²	ltr.
w/c-ratio	0.4	0.5	
Flow	approx. 240	approx. 200	mm
Compressive strength at 10% strain (7 d)	approx. 300	approx. 200	kPa
Specific gravity	350-400	200-250	kg/m ³
Thermal conductivity	0.13-0.15	0.08-0.10	W/mK
Residual humidity 2 CM-%	1 – 2 weeks	≥ 48 h	

PROCESSING INFORMATION

DOSAGE AND CONSUMPTION

The recommended dosage and consumption must be ascertained in an initial test. The amount is based on the required light mortar properties and the mixing technology that is being used.

Recommended dosage: 1.5 V-% by the weight of the cement used

Possible range of dosage: 0.5 – 3.5 V-% by the weight of the cement used

PROCESSING

- Stir AEROCRETE SFS 4 before use and during use in order to prevent segregation!
- Mix for at least 2 minutes after adding all the components

SPECIAL INFORMATION

SAFETY

- Not hazardous substance according to the Ordinance on Hazardous Substances
- No hazardous good as defined by transport directives
- WGC 1 (self-assessment) slightly hazardous to water
- Observe safety data sheet

COMMENTS

The raw materials we process and the products we produce are subject to strict factory inspections. Do not use products from other manufacturers when using this product. It is stressed that our products and the procedure must be tested for suitability for the expected construction site conditions. The quality of screeds is essentially influenced by the quality of sand and cement, the mixing rates and the processing in accordance with approved screeding technology. Since we have no control over site conditions or construction practices, no legal liability can be derived from this technical data sheet. Upon the publication all other previous copies shall become invalid.

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