

## CUGLA® SCHUIMMIDDEL S

CUGLA SCHUIMMIDDEL S is a synthetic foaming agent for the production for foam concrete.

In its elementary form, foam concrete consists of 4 components: cement water, foaming agent and air. If required, a 5<sup>th</sup> component is added: sand. The mixture of water and cement produces cement paste. The foam is created in a foam generator by mixing water and a foaming agent. The skeleton of foam concrete consists of air held together by the cement paste. The cement matrix yields the ultimate strength.

### Benefits of use

- Very good fluidity
- Controllable unit mass
- Good frost-thaw resistance
- Good fire resistance
- Low heat transmission (isolating)
- High kinetic-energy absorption

### Instructions for use

The production of foam concrete mostly occurs on site by means of a mobile mixing unit.

The cement paste is created on location or delivered in a truck mixer. The foam is added to the cement paste. It is created using a foam generator and added to the cement paste. This foam is transported to its location through flexible hoses.

The foam is produced by adding 0,3 litres of CUGLA SCHUIMMIDDEL S to 10 litres of water. A foam generation produces ± 200 litres of foam.

In constructing a foam concrete structure, care must be taken to ensure fluid-proof formwork. Pour layers are limited to 0,5 m. Multiple layers are possible. The pre- and post-treatment of ordinary concrete is also applicable to this type.

### Product properties

<b>Product name</b>	CUGLA SCHUIMMIDDEL S
<b>Manufacturer</b>	CUGLA
<b>Supplier</b>	CUGLA
<b>Main effect</b>	Foaming agent
<b>Side effect</b>	None
<b>Colour</b>	Transparant
<b>pH</b>	6,5 – 7,5
<b>Aggregation state</b>	Fluid
<b>Colourcode</b>	Blue
<b>Density kg/l</b>	1,08 ± 0,02
<b>Dry material content</b>	27 ± 5% relative
<b>Water soluble chloride content</b>	< 0,1% (= chloride free)
<b>Soluble in water</b>	Yes

### Packaging

Packaging in cans, barrels or in a bulk container.

### **Health and environmental aspects**

---

During the use of CUGLA admixtures CUGLA recommends the following:

- In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice.
- After contact with the skin, wash immediately with soap and plenty of water.
- If you feel unwell, seek medical advice (show the label where possible).

**For detailed information we refer to the safety data sheet, SDS Schuimmiddel S, on our website.**

Changes to this documentation are not sent to customers automatically. All previous product information hereby lapses. The above values concern laboratory conditions and are provided to the best of our knowledge. We cannot accept any liability for results obtained on site because we are not responsible for product processing or the specific conditions on site.

---

Our general terms and conditions of sale, supply and payment apply to all our transactions (see [www.cugla.nl](http://www.cugla.nl)).

---