

Reniment SB 31L, Foam Agent

For the production of foam concrete and light weight cellular concrete

Field of application

Reniment Foam agent SB 31L is designed for the production of foam concrete with density of 0,3 – 2,0 kg / dm³ and light weight concrete.

Reniment Foam agent SB 31L is particularly suitable for

- light weight concrete with low density (> 0,3 kg/dm³)
- light weight concrete for wall elements, bricks etc.
- thermal insulation
- levelling courses and insulation layers in building constructions
- light, flowable filling mortar, e.g. excavations, old ducts, formwork bricks

General Information

A stable foam will be produced with Renitherm SB 31L foam agent and other suitable foam generators, water and air. This foam will be added into the mixer to the ready prepared concrete

The entrapped air in the mortar gives following advantages:

- easy workable, flowing consistency
- pumpable due to stable air voids
- targeted gross density
- targeted strength
- improved water retention
- improved thermal insulation

Technical Data

| | |
|--------------------------|-------------------------------|
| colour and form: | dark brown liquid |
| active substance: | Proteinhydrolysate |
| Density (20°C): | 1,12 ± 0,02 g/cm ³ |
| Viscosity (20°C): | 17 ± 5 cst |
| solubility in water: | total |
| pH (in aqueous solution) | 7 ± 0,5 |
| freezing point | -15°C |
| Chlorides | ≤ 0,2 % |
| Recommended Dosage | 150 – 230 g / 100 l foam |

Application

- Reniment Foam agent SB 31L will be used for dosage and foam production with suitable foam generators
- The dosage of Reniment Foam agent is depending on the type of the foam generator approx. 150 – 230 g for 100 l foam
- The requested quantity of foam is depending on the requested density of the light weight cellular concrete
- For the production of light weight cellular concrete care should be taken on a uniform consistency as well as sufficient mixing time
- For pumping of light weight cellular concrete with low density we recommend to use Reniment ST 2 Stabilizer to avoid destroying the air voids
- A suitability test should be done prior to application
- Impurities and contaminations like e.g. oil, release agents or aluminium particles can lead to an uncontrolled change of the air void contents

**Occupational Safety
Environmental Protection**

- No hazardous material
- GHS CODE B21
- WGK 1 (self classified): weak water-polluting
- Avoid direct contact with skin and eyes
- MSDS available on request
- Further information on packaging label

Quality Assurance

- Reniment SB 31L Foam is subject to a severe control during production
- Quality Management system acc. to DIN EN ISO 9001:2000

Storage / shelf life

- Protect from frost, direct sun and impurities
- use clean drums, container, or tank only
- In original sealed container max. 12 months; shelf life is reduced for 2-3 months when storing > +30°C
- Before using, stir well; particularly after longer storage

Packaging

| | |
|-----------|---------|
| Can: | 30 kg |
| Drum: | 230 kg |
| Container | 1200 kg |

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