

introducing

MILLIFOAM[®] CLS 100, 200 & 380

robust anionic foaming agents for producing
controlled low strength concrete

innospec 

foaming agents for lightweight concrete applications

MILLIFOAM® CLS 100 & CLS 200

Anionic foaming agent

MILLIFOAM® CLS 100 is a formulated foaming agent based on ammonium alkyl ether sulfate. MILLIFOAM® CLS 200 is a formulated foaming agent based on sodium alkyl ether sulfate.

MILLIFOAM® CLS 100 & MILLIFOAM® CLS 200 are used for formulating lightweight cementitious materials (mortar, concrete, grout) to produce Controlled Low Strength Materials (CLSM). These foaming agents are suitable for use in combination with various types of air pressure foam generating equipment.

benefits

- ✓ excellent foaming properties
- ✓ tight, stable foam
- ✓ compatible with various types of air pressure foam generating equipment
- ✓ easy to incorporate liquid form

applications

- ✓ controlled low strength materials (CLSM)
- ✓ light weight concrete
- ✓ air entrainer for cement and mortars

Excellent
foaming
properties

Compatible
with various
types of
foam
generators

Highly
stable
foam

MILLIFOAM® CLS 100 properties

appearance @ 25°C	pale yellow liquid
pH (1% in water)	6.0 – 7.0

MILLIFOAM® CLS 200 properties

appearance @ 25°C	slight yellow
pH (5% aq. at 25°C)	9.0 – 11.0

The recommended dosage is between 0.01 to 0.025% based on cement, this also depends on the source and type of cement.

MILLIFOAM[®] CLS 380

Anionic foaming agent

MILLIFOAM[®] CLS 380 is an anionic formulated foaming agent for lightweight/aerated concrete and is based on sulfate free and 1,4-dioxane free technology.

benefits

- ✓ excellent foaming properties
- ✓ tight, stable foam
- ✓ hard water tolerance
- ✓ electrolyte tolerance
- ✓ effective over a wide pH range
- ✓ easy to incorporate liquid form

applications

- ✓ controlled low strength concrete
- ✓ light weight concrete
- ✓ aerated concrete
- ✓ air entrainer in cement and mortars

Excellent
foaming
properties

Tolerant to
alkaline
environment

1,4-
dioxane
free*

MILLIFOAM[®] CLS 380 properties

appearance @ 20°C	amber liquid
active content (%)	37 – 39
pH (as is)	11.0 minimum

Usage levels are dependent on formulation type.

* 1,4-Dioxane: Below limit of detection of 1 ppm