

FN1 – FOAM FORMING CONCENTRATE

Designation: FN1

Data Sheet No. 411

Product: Foam-making concentrate determined for technical foam production, which is used in cellular (foam) concrete manufacture according to manufacturing processes and by means of SIRCONTEC equipment.

Utilization: The technical foam is produced from the foam-making concentrate in foam generators. FN1 is not intended for production of foam by any other method.

Composition: Hydrolyzed proteins, stabilized with zinc and ferric salts. Further data—see FN1 Safety Sheet.

Description: Dark brown fluid with very mild specific smell.

Physical and chemical characteristics:

pH value of undiluted FN1 at 20°C:	6,5 – 7,5
Solidification point:	about -15°C
Boiling point:	about +100°C
Density at 20°C:	about 1.124 g/cm ³
Solubility in water:	unlimited
SIRCONTEC FN1 is neither explosive nor flammable.	
SIRCONTEC FN1 is biodegradable, CBS value:	about 11200 mg/l (2% solution)

Processing: In the equipment of MS 1000 type – see the Data Sheet SIRCONTEC No. 011.1.
In the technical foam production, FN1 foam-making concentrate is mixed in determined concentration with water and air in the continual foam generator.
The technical foam is mixed with the prepared cement grout in a mixer.
The amount and properties of the technical foam as well as the amount and the properties of the cement grout are determined by respective manufacturing processes of SIRCONTEC company.

Recommended dosing (concentration):	2 – 4,5 % in pure water
Recommended volume weight of the technical foam:	45—85 g / l

Notes:
The used concentration has a significant influence on properties of the manufactured technical foam.
The used foam density has a significant influence on technological properties of the manufactured foam concrete.

Quality control: Production of FN1 is controlled by EN ISO standards.
Quality control of the produced technical foam is governed by Testing procedures supplied by SIRCONTEC together with equipment.

Storage: Storage of FN1 is allowed in closed original vessels at temperatures above 0°C.
FN1 is to be stored separately from food and fodder.

Cleaning: Tools are cleaned with pure water. Rinse dirty surfaces with pure water.
Used containers are to be disposed of in a determined manner.

Safety and sanitary regulations:

When handling FN1 it is necessary to observe the basic health protection rules valid or manipulation with chemicals. At work it is necessary to protect eyes and skin. Rinse afflicted area with pure water. See doctor in case of complications. When eyes are afflicted, it causes conjunctiva irritation.
Wash hands after the work.
Protection of respiratory system is not necessary with adequate measure of inhalation.
It is recommended to protect hands with rubber or PVC gloves.
If consumed, evocate vomiting and see a doctor.
Avoid penetration into sewerage or ground, in the case of leakage use chemicals-bonding substances, sand or saw-dust.

Validity: from 1.12.2014