

FOAM – MAKING CONCENTRATE

Designation: FC1

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

Utilization: The technical foam is produced from the foam-making concentrate in iwtech europe foam generator. FC1 is not intended for production of foam by any other method.

Composition: Hydrolyzed proteins, stabilized with zincic and ferric salts.
Further data—see FC1 Safety Sheet.

Description: Dark brown fluid with very mild specific smell.

Physical and chemical characteristics:

pH value of undiluted FC1 at 20°C:	6,5 – 7,5
Solidification point:	ca -15°C
Boiling point:	ca +100°C
Density at 20°C:	ca 1,124 g/cm ³
Solubility in water:	unlimited
FC1 is neither explosive nor flammable.	
FC1 is biodegradable, CBS value:	ca 11.200 mg/l (2% solution)

Processing: In the equipment of GFS or GFM type – see the Data Sheet iwtech No. 101 and 102.
In the technical foam production, FC1 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 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 iwtech company.

Recommended dosing (concentration):	1 - 4,5 % in pure water
Recommended volume weight of the technical foam:	35 - 125 g / l

Notes:

The used concentration has a significant influence on properties of the manufactured technical foam.
The used volume weight has a significant influence on technological properties of the manufactured foam concrete.

Quality control: Production of FC1 is controlled by EN ISO standards.
Quality control of the produced technical foam is governed by Testing procedures supplied by iwtech europe company together with GFS or GFM equipment.

Storage: Storage of FC1 is allowed in closed original vessels at temperatures above 0°C, without direct sun exposure for max. 12 months from delivery.
FC1 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 FC1 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 20.2.2023