
T E C H N I C A L B U L L E T I N

SPECIFICATONS
CellFlow Liquid Foaming Agent

CELLFLOW is a synthetic liquid anionic biodegradable concentrate formulated for the production of low-density rigid foams. Dilute aqueous solutions are readily converted to voluminous stable microbubbled air foams with a precisely controlled density. Various types of mechanical foaming devices, including ready-mix truck agitation are used to produce the foam.

The preferred method for producing the rigid foam products is to uniformly blend the air foam with aqueous slurries or suspensions or reactive inorganic solids. Alternatively, the air cells may be formed by mixing the slurry and adding a small amount of the concentrated CELLFLOW. In either method, after the foamed slurry is pumped into molds or other retainers, it becomes rigid after reacting with the water, retaining the uniform cellular bubble structure. Among the hydraulic setting solids are various types of gypsum, gypsum-clay blends, portland cement and other cementitious binders. Inert solids may also be added.

Another use for the fluid aqueous foam is as a vehicle to economically distribute reactive water soluble or dispersible resins, which may subsequently be gelled or polymerized on a substrate or in molds. Such fluid foam may also be used as economical diluents or extenders in the distribution of various foaming agents, coatings and chemicals. As carriers for inert solids, the fluid foam simultaneously minimizes the need for excessive quantities of water which would otherwise be required for easy placement and workability.

PHYSICAL PROPERTIES

Appearance	Clear green liquid
Active ingredients	Approximately 40%
Specific Gravity	1.03 at 70°
Viscosity at 70° F	35 cs minimum
pH	7.5-9.0
Solubility	Completely soluble in water. Suitable for foam generation in hard or soft water.
Chloride content	< 0.35%
Shelf Life	Indefinite in closed factory sealed containers.

PACKAGING: Polyethylene Containers

	<u>5 gallon plasticans</u>	<u>55 gallon drums</u>
Gross Weight	47 lbs.	505 lbs.
Net Weight	44 lbs.	475 lbs.
Tare	3 lbs.	30 lbs.