cellular concrete SOLUTIONS

SPECIFICATIONS

MEARLCELL 3532®

MEARLCELL 3532 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 micro-bubbled air foams with a precisely controlled density. Various types of foam generators and mechanical foaming devices 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 entraining air by high speed mixing of the slurry, to which a small amount of the concentrated MEARLCELL 3532 had been added. 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 and fibers 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 additives, 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.

SPECIFICATIONS

Appearance	Clear amber liquid
Active Ingredients	Approximately 40%
Specific Gravity	1.03 at 70o
Viscosity at 70oF	35 cs minimum
PH	7.5 - 9.0
Solubility	Completely soluble in water. Suitable for foam generation in hard or soft water.
Shelf Life	Indefinite in closed containers.

PACKAGING

Polyethylene Containers	5 gallon plasticans	55 gallon drums
Gross Weight	47 lbs.	505 lbs.
Net Weight	44 lbs.	475 lbs.
Tare	3 lbs.	30 lbs.

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7020 Snowdrift Road, Suite 102 • Allentown, PA 18106 USA
Phone: 610-398-7833 • Fax: 610-398-7050
Email: info@cellular-concrete.com • Website: www.cellular-concrete.com