

ProKa 1400

Anaerobic Wastewater Treatment Microbial Aid

Primary Applications: Municipal and Industrial Wastewater Treatment Anaerobic Units, Anaerobic Reactors, UASB Reactors, Lagoons, Digesters

Benefits: Rapid upset recovery and startup, Optimize performance (BOD, TSS removal, Effluent Turbidity), Increase BioGas generation, Enhance supernatant clarity, enhance digestion rate, Reduce offensive odor emission

ProKa 1400 is a blend of facultative microorganisms and biochemical accelerators formulated for use in optimizing anaerobic reactors, digesters and lagoons that treat industrial and municipal wastewater. **ProKa 1400** is designed to enhance microbial diversity along with promoting vigorous microbial activity, thereby optimization the anaerobic treatment processes of; Hydrolysis, Acidogenesis, Acetogenesis, and ultimately Methanogenesis. The bacteria in **ProKa 1400** produce multiple types of enzymes that allow for the effective biodegradation of proteins, fats and a wide variety of carbohydrates, in addition to enhancing digestion rates. This action allows for more consistent and balanced treatment performance with less upsets. Use of **ProKa 1400** will increase biological activity and increase supernatant clarity.

Achievable Value added benefits are as follows:

- Increased methane generation
- Expand treatment system performance – increase removal while maintaining treatment quality
- Optimize treatment system performance
- Quick and effective upset recovery

SPECIFICATIONS

Product: Dormant bacterial cultures
Viability: Minimum 4 billion CFU/g
Form: A dry, free-flowing powder
Color: Beige to light brown
Storage: Store product in a dry place between 10°-40°C. If product becomes wet, it must be used immediately. Do not freeze.

DIRECTIONS

ProKa 1400 may be added to a pre-anaerobic unit mix tank or directly to the digester, reactor or lagoon. Consult your 4G technical representative for dosage recommendations.



OPERATING CONDITIONS

pH 4.0 -8.5
Temp. 15°C - 40°C (59°F - 104°F)

Do not use in environments where high levels of toxic metals such as zinc, chrome, mercury, are known to exist.

AVAILABILITY

ProKa 1400 is available in 25 lb. plastic pails or 100 lb. fiber drums. **ProKa 1400** may be packaged in one-pound water-soluble packs for an additional charge.

CAUTION

Persons allergic to dust should employ nose and mouth protection when handling this product. In the event of direct contact with the eyes or skin, flush the affected area with water.

DISCLAIMER

There are no performance warranties expressed or implied via this information. 4G shall not be held liable for any damages that may result from the presence or application of the product described herein.