



ProKa 400H

*Microbial Wastewater Treatment Biomass Aid
High Water Temperature Adapted Cultures*

Primary Applications: Food Processing & Beverage Industries: Rendering plants, Breweries, Fruit and Vegetable processing, Joint Municipal/Industrial WWTP

ProKa 400H is a blend of naturally occurring, non-altered, thermophilic microorganisms (high water temperature tolerant) and growth stimulants formulated to efficiently degrade carbohydrates, proteins and Fats, Oils and Grease (FOG). The bacteria in **ProKa 400H** produce multiple types of enzymes such as Protease, Amylase, Esterase, Urease, Cellulase, Xylanase, and Lipase to break down waste products associated with meat processing, dairies, brewing and distilling operations, vegetable & fruit processing and carbohydrate processing facilities. **ProKa 400H** contains aerobic as well as facultative bacteria to work in anoxic conditions. Use of **ProKa 400H** will increase biological activity, improve biomass flocculation and enhance nitrogen and phosphorous removal at wastewater temperatures above 100.4°F (38°C).

SPECIFICATIONS

Product:	Dormant bacterial cultures and micronutrients
Viability:	minimum 4 billion CFU/g
Form:	A dry, free-flowing powder
Color:	Beige to light brown.
Specific Gravity:	0.5 - 0.7
Storage:	Store product in a dry place between 21°-27° C (70°-80.6°F). If product becomes wet, it must be used immediately. <u>Do not freeze.</u>

DIRECTIONS FOR USE

ProKa 400H may be added directly to aeration tank, lagoon, or oxidation ditch. For trickling filters, it is best to pre-hydrate product by adding 2 lbs. per 1.0 gallon of 20-30° C non-chlorinated water. Allow solution to stand for 30 – 60 minutes before adding to trickling filter. Consult a 4G representative.

OPERATING CONDITIONS

pH	6.0-9.0
Temp.	38.0° - 55.0°C (100.4°- 131.0°F)
PO ₄	2.0 mg/L minimum
NH ₃ N	2.0 mg/L minimum

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



AVAILABILITY

ProKa 400H is available in 25 lb. plastic pails and may be packaged in one-pound water-soluble packs. It is also available in 100 lb. fiber drums in bulk form.

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.