

# STARCH



Starch is derived from corn, arrowroot or potatoes. It is shear sensitive (thickens) and viscosity varies from a few centipoise to over 20,000 cP depending on the type of starch, concentration in the liquid, and temperature.

## STARCH APPLICATIONS:

- Adhesives
- Sizing paper
- Bookbinding
- Sizing & finishing of textiles
- Explosives
- Glucose
- Medicines
- Malt sugar
- Face powders
- Caramel
- Foods
- Cosmetics
- Cattle feeds

## VIKING IN THE PROCESS:

Viking pumps are used in the starch mixing and delivery systems (sometimes called kitchens) at paper mills and corrugators. Construction varies from cast iron to stainless steel, depending on the type of starch. Most starches are neutral or basic and are handled using cast iron; those that are on the acid side may require stainless steel. Raw starch may be abrasive if not completely dissolved or allowed to dry out. Cooked or hot starch (typically 160°F) is not abrasive.



0508 4 BBENG  
www.brownbros.co.nz

## SUGGESTED PUMPS:

### 4124B SERIES™ / 4124A SERIES™



4124B Series™  
Pump Shown

- Cast Iron
- High viscosity sealing options (4124B Series™)
- Cartridge lipseal sealing options (4124A Series™)
- Capacities to 500 GPM

### 4624B SERIES™



- Cast Iron
- Abrasive resistant sealing options
- Hardened materials standard
- Capacities to 180 GPM

### 1124A SERIES™



- Cast Iron
- O-Pro Barrier™ seal to virtually eliminate leaking & mess associated with traditional packed pumps
- Low shear
- Capacities to 400 GPM

**VIKING PUMP®**

© 06/2020 Viking Pump, Inc. All rights reserved.