

Challenge

Issue

A customer was using a competitor's packing on an agitator in a chemical application. The packing wore down the sleeve, requiring replacement of both packing and sleeve every three months.

Sleeve Cost: \$500 every 3 months = \$2,000/year

Competitor Packing cost = \$1,000/year

Labor Cost = \$1,600/year

Total Cost = \$4,600/year

Goal

Increase time of continuous service to support plant cycle and reduce costs.



Paper mill was challenged with unreliable sealing with the agitator.

Solution

Overview

- **Chesterton DualPac® 2211**, a braided packing that brings together the best of aramid and PTFE packing with distinct shaft-facing and outward-facing benefits as shown in Figure 1.
- Five rings of **DualPac 2211** were installed as shown in Figure 2 for solids resistance. With the **DualPac 2211** aramid side against the bottom of the stuffing box, you achieve resistance to extrusion and solids yet there is minimal contact between the aramid and shaft. This unique ability reduces shaft wear and increases uptime.



Figure 1: **Chesterton DualPac Technology** results in a braided packing with distinct benefits on each side.

Results

Client Reported

- Improved packing has lasted over six months and the sleeve wear is not an issue
- Customer extremely pleased

Repair Costs / MTBR / Savings

Sleeve Cost = \$500/year

2211 Packing = \$1600/year

Labor Cost = \$400/year

DualPac 2211 packing cost annually per agitator = \$2500/year

Total Cost Savings = \$2100/year per agitator

\$=USD

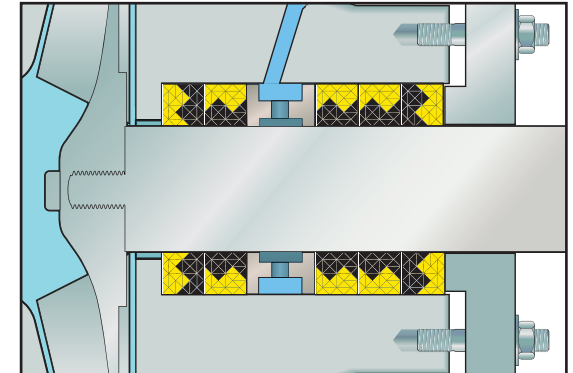


Figure 2: With **DualPac 2211**, you can configure the packing for just sealing or for sealing and solids resistance.