

## Performance Technical Report

SUBJECT: HPC S09-S Food Grade Coating  
DATE: January 3, 1996  
AUTHOR: HPC New Zealand

### PROBLEM

Findlay Bakeries produces "English-Style Muffins" which are sliced horizontally 95% through using saw-type blades 4 inches in diameter.

An excessive buildup of dough on the blades was creating mold growth and the blades had to be removed from service every two hours for cleaning and sanitizing. This caused frequent and unnecessary losses while the blades were being serviced. The bakery also received complaints from some customers that the muffins were going moldy on the shelf prior to their expiration date. This was pinpointed to the first 200-300 muffins produced each day, which were being sliced with blades that had attracted microscopic mold growth overnight.

### SOLUTION

HPC (N.Z.) recommended and applied HPC/S09-S Extreme Release Food Grade (light gray) coating to all parts of the blades, including the locating screws.

### SUMMARY

The bakery now runs a full 8-hour shift without stoppage with the added benefits of no excessive dough buildup and no mold growth. The coating also makes the blades easier to wash, which helps with the end of shift cleanup. The blades can now be left overnight in the sanitizing solution without any effect on the coating and are ready for the next shift.

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