

Ceramic Brushable Case Study

Corroded Blades in a Flour Mixer Repair

When blades in two flour mixers were found to be suffering from corrosion, a bakery in Puerto Rico had to find a repair method to avoid carrying out a full replacement of parts which would have been costly and disruptive



An example of the sort of corrosion which the flour mixer was suffering from prior to repair



The corroded blades inside the mixers after the application of Ceramic Brushable Green

Defect

The corrosion was discovered during a regular inspection of the flour mixers, which had to be shutdown immediately as a result.

New blades would have needed to be fabricated, a time-consuming process leaving the flour mixers out of action for weeks. Each blade would cost \$3000 to make, plus installation costs.

The bakery needed a cheaper, quicker alternative to replacement to get the flour mixers back into operation so orders could be fulfilled.

Solution

Sylmasta recommended the use of **Ceramic Brushable Green** for the repair. Several coatings of the liquid epoxy were brush applied to refurbish the metal blades; offer greater corrosion protection; and reduce the damage caused by future abrasion thanks to the epoxy's low friction finish.

Within 24 hours of the final coating, both flour mixers were put back into operation to return the bakery to full capacity.

Result

The repair saved \$6000 in parts and many thousands more would have been lost in unfulfilled orders whilst the mixers were out of service.

After completing the repair, the bakery contacted Sylmasta to say how happy they were with the application and that the blades now looked as if they were brand new. The blades will not require servicing for a long time because of how hard wearing Ceramic Brushable Green is.