



CASE STUDY

Blue Line Brewery- Beer Boil Kettles

**GEOGRAPHICAL AREA:**  
New York, USA

**ISSUE:**

Reducing heat loss and time to bring and maintain beer at a rolling boil.

**SOLUTION:**

Heat Shield™ EPX4 thermal insulation & corrosion prevention coating.

Coverage: 2-coats ( 4-coats NanoPrime)

**RESULTS:**

- ✓ Increased the yield of Beer by 20 gallons
- ✓ Reduced boiling time by about half
- ✓ Equivalent to approximately \$400 in wholesale revenue.
- ✓ Product has paid for itself after initial application

Award Winning Energy Saving and Asset Protection Coatings



The Boil Kettle on the left has Syneffex's Heat Shield™ EPX4 product. I applied 4 coats of Syneffex's High Heat as a primer, and then added two coats of the Heat Shield EPX4. The Boil Kettle on the Right is the same exact kettle as the one on the left, but without any insulation.

The EPX Boil Kettle can get 85 gallons of wort/beer to a boil in about 45 minutes and keep it there consistently.

The non - coated Boil Kettle can only get approximately 65 gallons to a boil, but it takes close to 2 hours to get it to boil ! In other words, the EPX4 coated kettle can get 20 more gallons of beer to boil in about half of the time compared to the uncoated kettle.

For a small Nano Brewery like Blue Line, this is important as once we get the 2nd Boil Kettle coated with EPX, **we are going to be able to produce approximately 40 more gallons ( approximately 30% additional ) of additional beer in the same amount of time.**

That 40 gallons of beer represents approximately \$400 in wholesale revenue!

-M.Gillis-Blue Line Brewery, NY