

## Juice Heater – MA Patout

**Company Name:** MA Patout

**Location:** Jeanerette, LA, USA

**Coating:** Mascoat Industrial-DTI

**Thickness:** 80-100 mils (2.0-2.5 mm)

**Reason for Application:** Energy retention, prevent corrosion under insulation

Because of Corrosion Under Insulation, MA Patout had to replace a juice heater in its refinery. The juice heater was irreparably damaged due to moisture invading the space between the insulation and the heater wall. Also, the insulation's abilities were severely affected because of the moisture, resulting in the juice being out of the process temperature. This caused disruptions in their refining process. When the heater was replaced, Wilson LeBlanc of MA Patout was determined to not see another juice heater deteriorate to the point of failure because of insulation. Through his search for a solution, he found Mascoat Industrial-DTI thermal insulating coating, manufactured by Mascoat in Houston, TX.



Since DTI is spray-applied directly to the substrate, there is no room for moisture to collect between the insulation and the substrate. This effectively stops Corrosion Under Insulation, protecting the new heater, while at the same time providing the insulation abilities needed to keep the refinery process on schedule. It seemed to Mr. LeBlanc that this would solve all of his problems.

A two-man crew coated the new heater with 80 to 100 mils (2.0 – 2.5 mm) of Mascoat Industrial-DTI over two days prior to the start of the next sugar season. After application, Mr. LeBlanc saw that the coating would also give him constant inspectability of the substrate at all times, thus easing more of their maintenance concerns. Once the juice heater was placed into service, Mr. LeBlanc reported that the insulating power of Mascoat Industrial-DTI was identical to the 2 inches of brand new fiberglass batt insulation previously used on the heater.