

Project: Heat stability of RG 2400® NP

Work request : Mech 19-3 C

Date started: 7/10/19

Testing concluded: 7/17/19

Scope: Test RG 2400® NP for heat stability.

Summary: After 169 hours of exposure to 230 °F heat, there was no noticeable degradation of the coating. Material remained soft to the touch and could easily be spread using minimum force. A slight change to the product's color was noted.

Procedure:

- To clean steel Q- panels apply RG 2400® RG at a thickness 30 mils WFT.
- Place in forced air oven at 230 °F for 169 hours.
- Remove and visually inspect for any degradation.

Material tested:

- **RG 2400® NP- lot # unknown- test at 230 F**

Results:

RG 2400® NP samples were prepared on July 10, 2019 and placed into a forced air oven at 3:55 pm. Oven temperature was 230 °F and sample thickness of 30 mils WFT.

On July 17, 2019 at 5:15 pm , samples were removed from the oven.



Samples prior to heat exposure



Samples post heat exposure



Sample 1 pre heat exposure



Sample 1 – post heat exposure



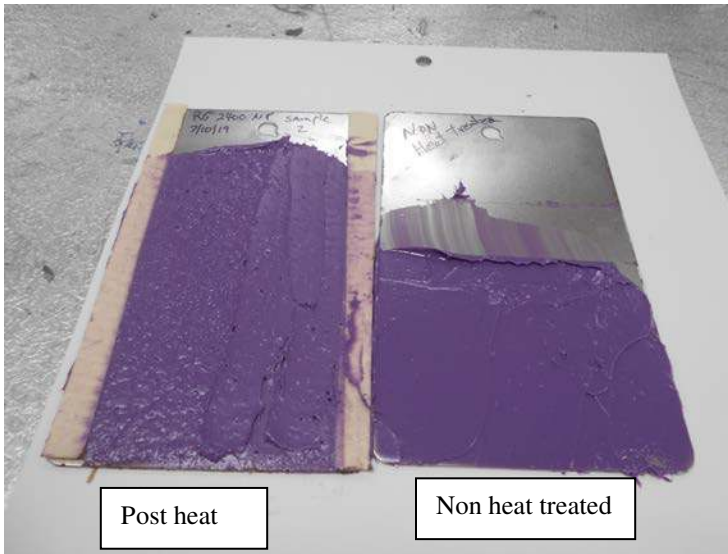
Sample 2 pre heat exposure



Sample 2 - post heat exposure



Post heated material, still able to be spread.



Color comparison

Color comparison samples were added to this report. Due to lighting in the lab, some of the post exposure pictures appear lighter in color. The actual change in color was very slight.