

By: Plant Manager, Larry Norris - Jamak Fabrication, Weatherford, TX in April of 2005 commenting on results from a Polarhide application to his 250,000+ sq ft facility.

### **What's happening to our Roof?**

We are having a white epoxy coating applied for several reasons.

1. To stop roof leaks
2. To prevent zinc from the galvanized metal being in our stormwater runoff
3. To improve the comfort level of our work space
4. To reduce energy costs

The result:

The surface temperature on the roof recently was as much as 150° F (while outdoor temperature was 84° F) in some areas prior to applying the coating. This heat is absorbed from the sun and transmitted to the inside of the building. Since applying the coating, we have found no area where the surface temperature is greater than 3° F above the outdoor air temperature.

We had a great testimony from Alton Conner and Kathleen Barnes recently. They work in the Shipping Warehouse, which is not insulated. Last summer, we recorded temperatures above 140° F at the ceiling inside near their work area. Since the coating was applied, they both stated “that they went outside to cool off, but they came back inside because it was too hot outside”.

I took indoor ceiling temperatures on 4/22/05. The outdoor temperature was 80° F. In all the areas that had the coating applied, (including the smoking area by the break room) the ceiling temperature ranged from 76° F to 81° F. In the one area where the coating had not been applied, the ceiling temperature was 101 to 111° F.

I truly believe we will have some relief from summer heat inside our facility this year and in years to come.

Larry Norris