



## NANSULATE ADVANCED INDUSTRIAL PRODUCTS

### CASE STUDY

# Nansulate Translucent GP



**Industrial Nanotech Distributor:**

Pioneer Builders

**Customer**

Homeowner - Mr. W. Marshall

**Location**

Dallas, TX

**Product**

Nansulate Translucent GP



#### ISSUE:

With a nationwide heat wave and rising energy costs, this homeowner was looking for an economical way to reduce the heat transfer into his attic, bring down the attic temperature and reduce the amount of energy consumption used for heating and cooling his home.

#### SOLUTION:

Nansulate Translucent GP was used to coat the ceiling of the attic. The house was 4000 square feet with extremely high pitch roof line. The area of the attic was a little over 3000 s.f.

With the heat wave that has been experienced over the nation in the past month, the owner of the house put thermometers in the attic monitoring the heat throughout the day. During the late afternoons with the outside temperature at 104 F, the inside of the attic was 143 F.

The initial application covered 1/3 of the attic with 3 coats and 2/3 of the attic with 2 coats. The crew returned two weeks later to apply the 3rd coat the rest of the attic. They noted that the temperature outside was 103 F, (it was 3 hours earlier than the first application and at the peak of the heat for the attic). The temperature of the attic was 101 F, a 42 degree drop from the uncoated temperature.

The team continued coating the duct work, the A/C units which are in the attic, plus the ceiling of the attic. With the third coat over the other 2/3 of the attic now done, the applicators and owner expect even better heat reduction results.

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