



BREAKTHROUGH PRODUCTS BASED ON BETTER TECHNOLOGY.

NANSULATE® ADVANCED INDUSTRIAL PRODUCTS

CASE STUDY

Nansulate® HomeProtect Clear Coat



Customer:

Gary Davis

Location:

Tulsa, Oklahoma

Product:

Nansulate® Translucent Clear Coat



APPLICATION:

Nansulate(R) was applied via airless sprayer to the underside of the home's roof deck (underside of roof in attic area, and ceiling of rooms where attic could not be reached) on January 14th and 15th of 2008. Application was the recommended coverage of three coats (each coat applied at 3-5 wet mils (72-127 microns), for an overall dry film thickness of approximately 7 mils (177.8 microns, 0.007 inch).

Amount Used: 25 gallons of Nansulate(R) HomeProtect Clear Coat.

Size of living area: 2772 S.F. (257.53 sq. meters)

RESULTS:

Customer achieved a 42% reduction in energy use (see charts on next page) and increased his home's thermal efficiency, and reduced his carbon emissions related to energy use.

Customer quote:

"The study would be based on the savings of electric usage during the cooling season, which would be April thru Sept. We have the previous owner's electric bills for the last 2 1/2 years and compared to my KWH usage we did about 40% better. The neat thing about having hard numbers is that I was able to take out the figures for the avg. electric usage during the winter months (gas heat) and come up with the savings for just the AC compressor, which if I did the math right is more like a savings of 57%."

-G.Davis

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page 2

Customer:

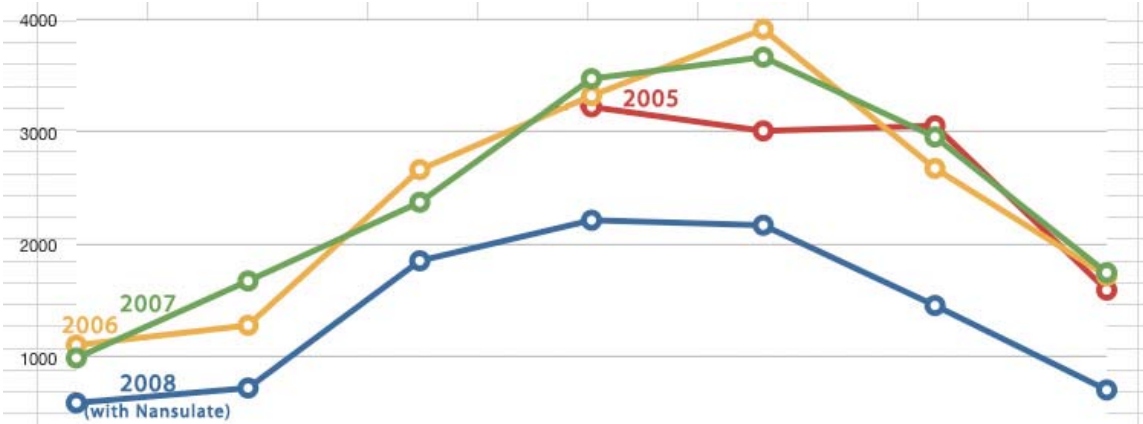
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ENERGY USE IN KILOWATT HOURS



Average energy savings - 42%

Year	April	May	June	July	August	September	October
2008	600	732	1862	2223	2178	1465	715
2007	999	1683	2382	3480	3671	2962	1756
2006	1113	1289	2672	3329	3919	2683	1730
2005	no data	no data	no data	3229	3016	3062	1602

2008 Average monthly KWH used April through October = 1396
 2007 Average monthly KWH used April through October = 2419
 2006 Average monthly KWH used April through October = 2391
 2005 Average monthly KWH used July through October = 2727

Average monthly KWH used 2005 (JUL-OCT) and 2006, 2007 (APR-OCT) - 2477
 This equates to an average KWH use savings per month for the date range April - October of 1,081.

Year	April	May	June	July	August	September	October
2008	600	732	1862	2223	2178	1465	715
2007	999	1683	2382	3480	3671	2962	1756
KWH saved	399	951	520	1257	1493	1497	1041
Year over Year	40% saved	56% saved	22% saved	36% saved	41% saved	51% saved	59% saved

Energy use reduced an average of 42%
 Kilowatt use reduced an average of 1081 KWH per month

A detailed report on this case study is available at www.nansulate.com



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