

IMSS: 27% Reduction in Temperature - Energy Savings



IMSS is Mexico's Social Security Administration, which also provides health care to citizens.

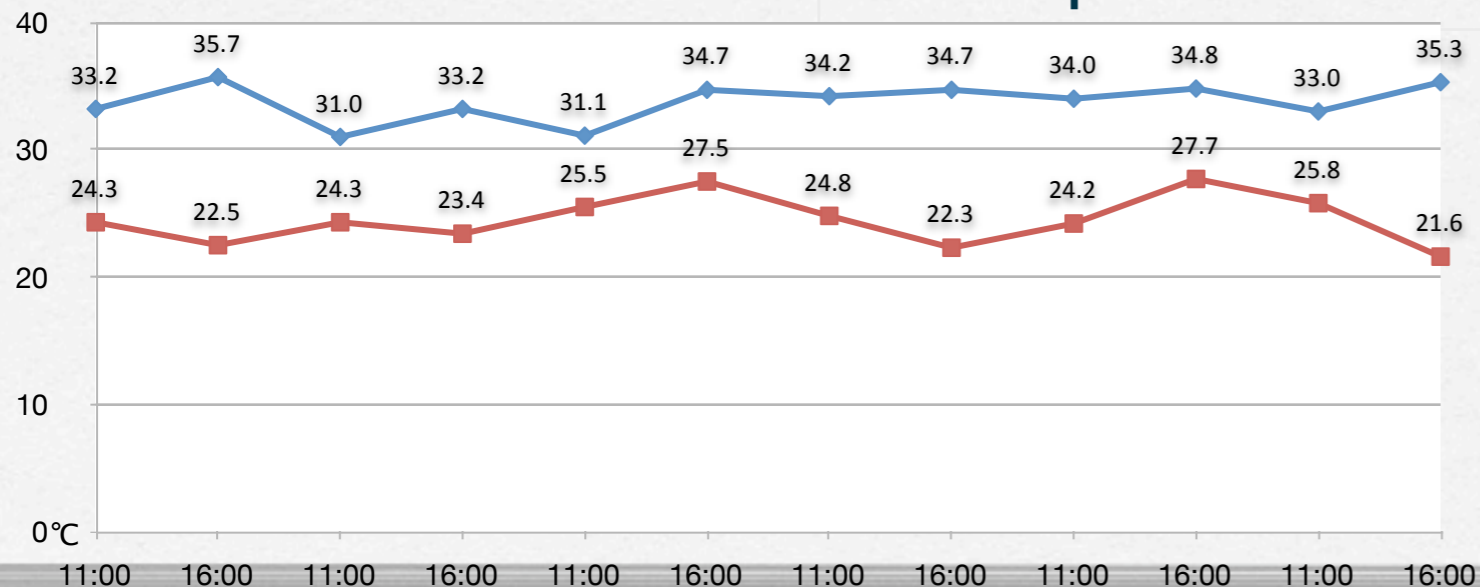
Products: Nansulate® HomeProtect Clear Coat

Application: Roof of computer data center

Sustainable Solutions: Interior temperature reduction: 27%

Nansulate® HomeProtect Clear Coat liquid insulation was used on the roof of the Cenati location in Monterrey. This location houses the data computers which maintain electronic health records and make up the information interchange between clinics and hospitals. The coatings were used to stop these critical computer systems from shutdown due to excess heat.

The application of the coating to the roof of the computer center effectively reduced interior temperature to a safe level for the systems - reducing the temperature by an average of 27%, and stopped equipment shut down due to excess temperature.



Temperatures were measured internally at the ceiling (underside of roof) of the data center in July of 2009, prior to application of Nansulate® on the roof of the building, and again in 2010 for comparison data during the same month. The measurements show that Nansulate® reduced internal temperatures by an average of 27%.

◆ 2009 - Before Nansulate® ■ 2010 - After Nansulate®