



Case Study

Mexico Government-Data Center

GEOGRAPHICAL AREA:
Monterrey, Mexico

ISSUE:

Looking for a solution to cool off their data center. High temperatures were causing computer servers to shut down

SOLUTION:

Synavax Crystal clear roof coating

Coverage: 3-coats

RESULTS:

- ✓ Insulated the roof, providing a reduction in internal temperature by 27%.
- ✓ Provided mold and UV resistance.
- ✓ Prevented unwanted server shutdowns.
- ✓ 10 year warranty

Award Winning Energy Saving and Asset Protection Coatings



Mexico's Social Security and Health Administration (IMSS) has an issue with the data center in Monterrey, Mexico that holds their patient medical records. This location houses the servers which maintain electronic health records and make up the information interchange between clinics and hospitals. Although the data center is air conditioned, the heat coming through the roof during the summer caused the inside temperature to reach a critical point, which caused automatic server shut down to avoid heat damage.

Synavax insulating coating was used on the roof of the Cenati Data Center, applied at a 3-coat coverage. After application of Synavax effectively reduced the data center temperature

to a safe level for the servers. The coating insulated the roof from excess heat transfer and stopped the server shut down due to high temperatures.

In a year over year comparison of their hottest month of the year, the coatings were shown to reduce the internal temperature by 27 percent (as measured in Celsius) from an average of 33.7°C (92.7°F) to 24.5°C (76.1°F).

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CASE STUDY
ADDITIONAL PHOTOS

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