



Case Study

Metal Wall

Award Winning Energy Saving and Asset Protection Coatings

GEOGRAPHICAL AREA:
Mexico

ISSUE:

Heat transferring through a large sheet metal wall that divides the main mezzanine from an area that holds six industrial ovens, causing uncomfortable working conditions.

SOLUTION:

Heat Shield™ PT thermal insulation & corrosion prevention coating.

Coverage: 3-coats

RESULTS:

- ✓ Reduction of surface temperature by 151C/27.2F.
- ✓ Prevented corrosion of the metal wall.



Syneffex's™ Mexico Distributor, Omnigenus Energy, was assisting a large manufacturing client with an issue they were having with heat transferring through a large sheet metal wall that divides the main mezzanine from an area that holds six industrial ovens.

The heat transfer was causing uncomfortable working conditions. Heat Shield™ Translucent PT was applied at a 3-coat coverage to a 3x3 meter section of the wall to illustrate the insulation performance.

Even before the coating was fully cured measurements showed a reduction of wall surface temperature from 39.9C (103.8F) to 24.8C (76.6F).

A reduction of 15.1C /27.2F, with further reduction expected after the coating cures fully.

Thermal imaging photos were also taken and clearly illustrate the reduction of heat transfer provided by the Heat Shield™ insulation coating technology.

Further application is being completed on two side walls and the ceiling.



CASE STUDY
ADDITIONAL PHOTOS

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