

## Cornwell Quality Tools

*Insulation of Factory Windows - Estimated Payback on Project Less Than 4 Months.*



**ISSUE:** Cornwell Quality Tools needed to improve energy efficiency at their Mogadore, Ohio manufacturing facility. Large factory windows created large 'holes' in their thermal envelope.

**SOLUTION:** [Nansulate® Translucent GP](#) was used to insulate the windows. The application was done on windows where maintaining at least diffuse illumination from sunlight was a requirement along with thermal insulation.

"Sirs, We at Cornwell Tools have been very pleased with the results of using the Nansulate material as can be seen by the attached emails..."

It's hard to quantify how much has been saved, but management has indicated over this winter so far we have saved approximately \$30,000 in total heating costs. Many factors are involved in this, as other changes were also made (in addition to using Nansulate) such as moving the use of the overhead door in the steel room to the smaller overhead door in the inspection area, and adding a plastic screen at that door. However I believe that a considerable savings has been realized.

The cost of the (Nansulate) materials was probably saved in the first cold month."

Daniel Goodell  
Senior Tool Designer  
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## Hyundai Corporate Housing

*Insulation for energy efficiency and reduction of condensation*



**ISSUE:** These luxury apartments owned by Hyundai had an issue with condensation on the lower levels, and also needed an innovative way to increase energy efficiency of the building without giving up additional interior space.

**SOLUTION:** Our patented [Nansulate® Translucent GP](#) coating was applied to internal walls and ceilings to offer the needed protection from condensation and mold in a cost effective application. Nansulate® GP also increased the thermal resistance of the building, thus lowering energy costs for the owner.

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