




What We'll Learn

- Preparing a Unit for Pan Restoration
- Coating Insulation
- Painting Fan and Door Gaskets
- Cleaning other HVAC related Equipment



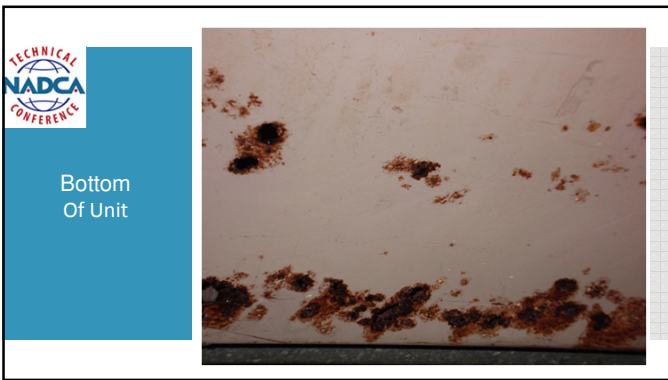
- Rusted Pans
- Holes in Pans
- Preparation of Pans



Unit Before Start Of Job











Here you can see the unit in the ceiling.





After unit was cleaned.

Used foil over insulation and grey in pan.





Pan after coil was washed.

Panels are removable which makes it easy for cleaning.



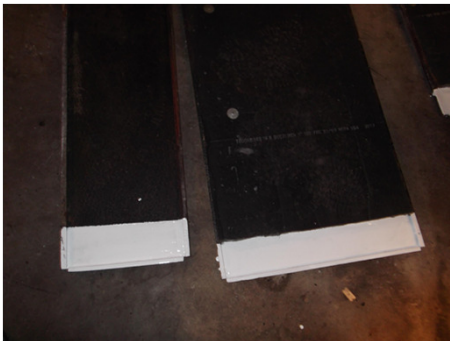


Used sheet metal to cover holes.
Look at the rust still in the pan.
This gives the product a good bonding surface.





Removed two inches of old insulation and coated.





Poured too soon.
You can see swirls in the pan.



 Use ¼ inch plastic logo in bottom so they know who did the job.



 Inside A Cooling Tower



 Cooling Tower





Did this pan restoration job for free!





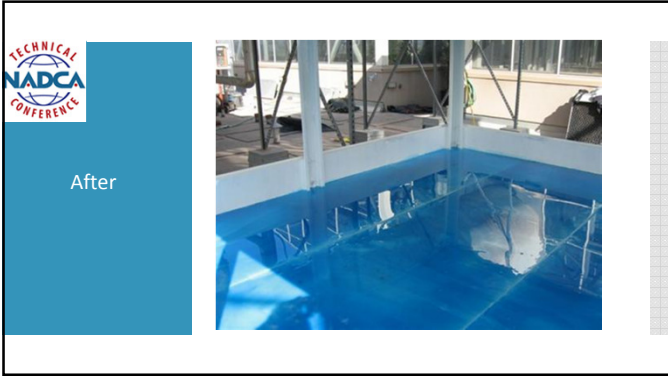
They were so happy how it looked they paid for the next 30 units.



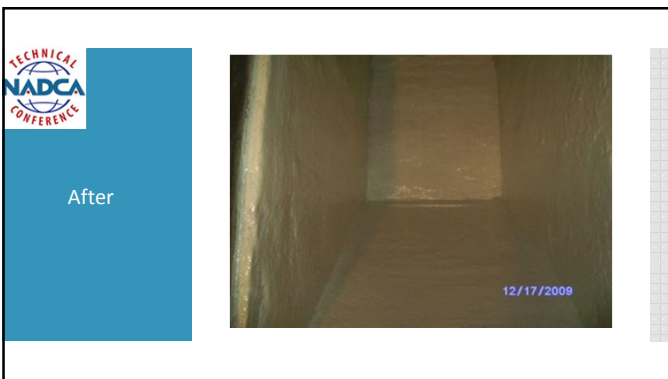


Sandblasting A Cooling Tower









 Before Photo



 Pan looks great!
Not sure about the motor!



 Here is a pan that was done a few years ago.












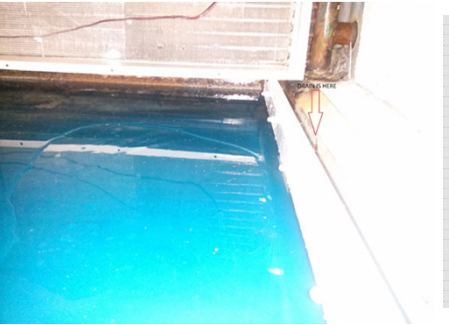
Water turned on to soon.







Pour to ¼ inch thickness.

This pan is thick and cracked.





Pin Welder that we use.





Cupped head stud gun.





Both cupped head insulated pins and glue needed pins.





Before unit was cleaned.





Painted with water reduced Alkid and pin welded.





Before photo of a unit that was cleaned and Foiled.

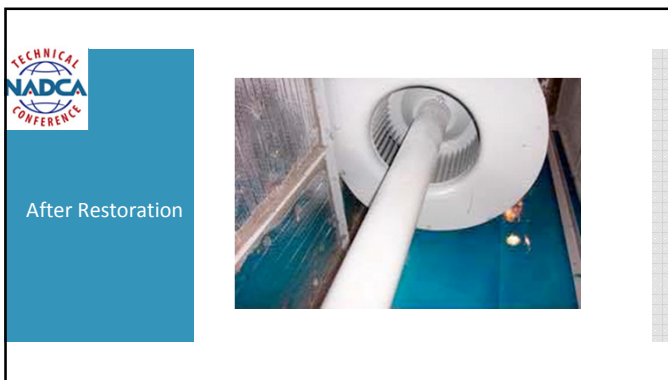


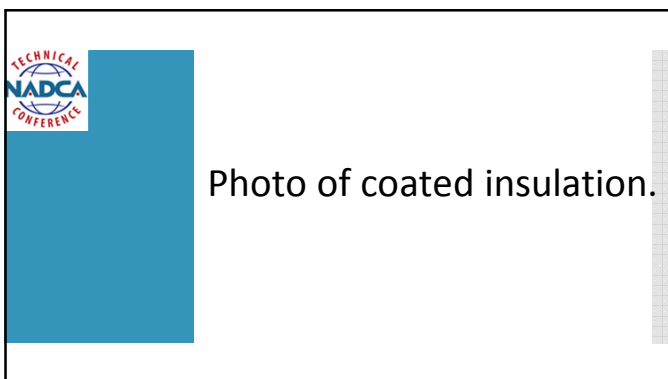


After photo
A pin welder was used.

















After coated with black.





Cleaning a Fan Coil

Removed the fan to get to the dirty side of the coil.

Moved unit outside to clean the coils.

Coils had not be touch in over 20 years.





More photos of fan coils





Fan Coil Wall Mounted





Wide open and easy to clean





VAV Box

Both a hot and a cold duct mix the air inside.

Remove ducts flex ducts and panel to clean.

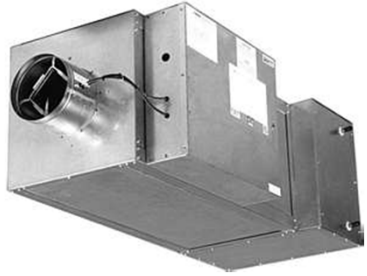




VAV box maybe electric heat.

Remove flex duct to clean inside.

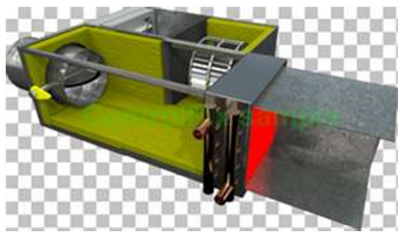
Can install a screw in to the new strap to prevent it from coming off.





CAV box with reheat coil.

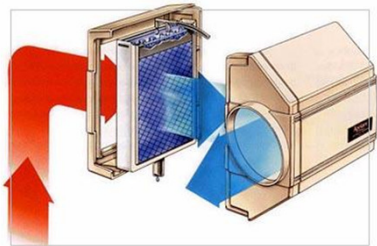
Fan is always on and feed with cold air.





Humidifier

Can take apart, clean and change the wet section.



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Heat Recovery Ventilator

Remove panels and air wash clean it.

The diagram illustrates the operation of a Heat Recovery Ventilator (HRV). It shows a central rectangular unit with two sets of ducts. On the left, a blue arrow labeled 'Fresh Air from Outside' enters the unit. On the right, a red arrow labeled 'Stale Air from Kitchen and Bathroom' enters the unit. Inside the unit, a red arrow shows the stale air moving through a 'Heat Recovery Unit' (a heat exchanger) and then being exhausted out of the building, labeled 'Air Exhaust to Outside'. Simultaneously, a blue arrow shows fresh air entering the unit, passing through the heat recovery unit, and being warmed by the stale air. This warmed air is then distributed to the home, labeled 'Warm Air Supply to Home'.

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Conclusion

- Coating Insulation
- Replacing Insulation
- Painting Fans and other Metal surfaces
- Replacing Door and filter Gaskets

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The graphic features the letters 'Q&A' in a large, stylized, hand-drawn font. Below it, the text 'You have Questions' is written in a cursive script, and 'We have Answers' is written in a similar script below that. The background is a light blue grid pattern.



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Thank you
for
Participating!

