

Advanced Track: Spray Coatings Panel & Hands-On



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Presenters



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Disclaimer


This presentation is not intended to be a comprehensive program covering all aspects of this topic. All technicians are encouraged to read and follow all applicable standards, codes and regulations related to this topic.

- ✓ It is the responsibility of each individual contractor to follow local building codes and licensing requirements and to work safely in accordance with OSHA guidelines.
- ✓ It is the contractor's responsibility to take proper precautions on each project to prevent cross contamination. Always take the health and safety of the building occupants into consideration before you conduct any cleaning procedures.
- ✓ All of the following tips are only general tips. They do not cover every situation and it is your responsibility to adapt these tips to the individual system you are working on.
- ✓ The Instructor is not responsible in any way for the work you perform after viewing this slide show. You are responsible for your own work.
- ✓ The views and opinions following are the instructors opinions and not necessarily the official position of the National Air Duct Cleaners Association.


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What We'll Learn


- Definition of Coating
- Importance
- Potential Hazards
- Application Methods
- Basic Equipment Maintenance

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What's the Difference?


These terms are used loosely in our industry

- Duct Sanitizing
- Duct Sealing
- Duct Coating

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Duct Sanitizing

- Definition
- Sanitizer: A sanitizer is a substance or mixture of substances that kills a high percentage (99.9%) of, but not necessarily all, bacteria on a surface. Technically, the EPA defines a sanitizer as a substance or mixture of substances that reduces the bacterial population in the inanimate environment (on surfaces and objects) by significant numbers (e.g, 3 log₁₀ reduction or more), but does not destroy or eliminate all bacteria.¹
- (Source: NADCA POSITION PAPER on Chemical Product Applications in HVAC Systems)




Duct Sealing

- Product definition Sealants are materials – liquids of varying viscosity or tapes - used to seal surfaces, joints, connections, gaps and openings.
- These include but are not limited to tapes, glue, mastic etc.. And the main function is to prevent air leakage
- (Source: NADCA POSITION PAPER on Chemical Product Applications in HVAC Systems)





Duct Coatings

- Coatings - Resurfacing materials (also known as repair coatings) are coatings that are applied to surfaces that show signs of damage or degradation



4.21.5
No cleaning process shall be performed that will damage a properly designed, installed, and structurally sound HVAC system and its components, or negatively affect the performance, operation, or normal life expectancy of the system.





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Assessment


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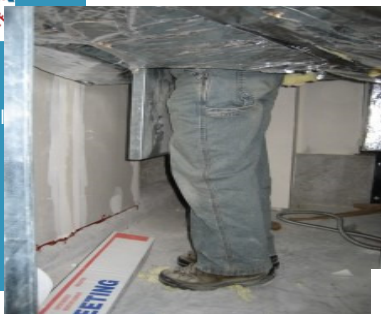
• What do you do? What are your options?

In all cases, the first thing you must do is to inspect the fiberglass to determine the condition it's in.

- ❖ *Can it stand up to the rigors of cleaning or does it fall apart when you touch it?*
- ❖ *Is it wet?*
- ❖ *Structural Integrity?*

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Access



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Importance



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Potential
Hazards

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Potential Hazards




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Potential Hazards



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Potential Hazards



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Site Preparation

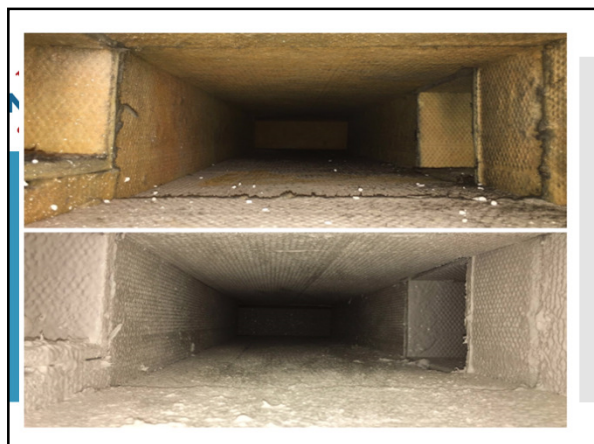


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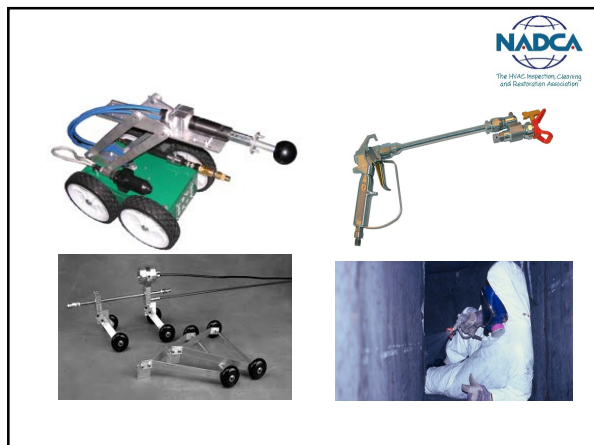












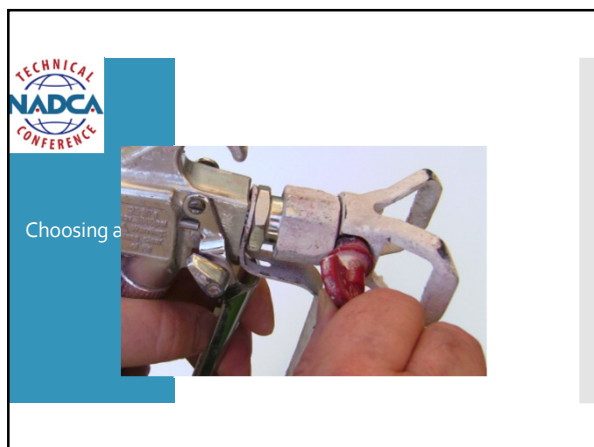
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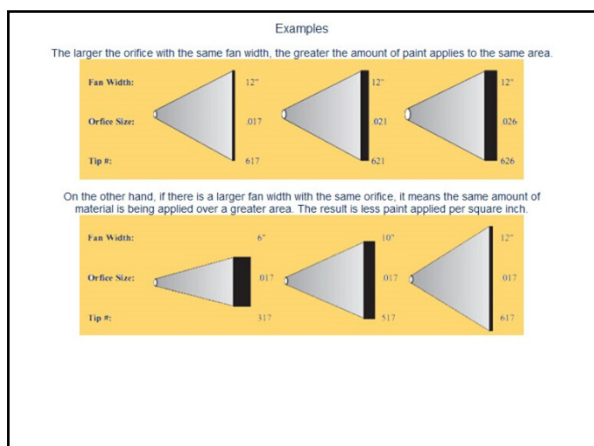


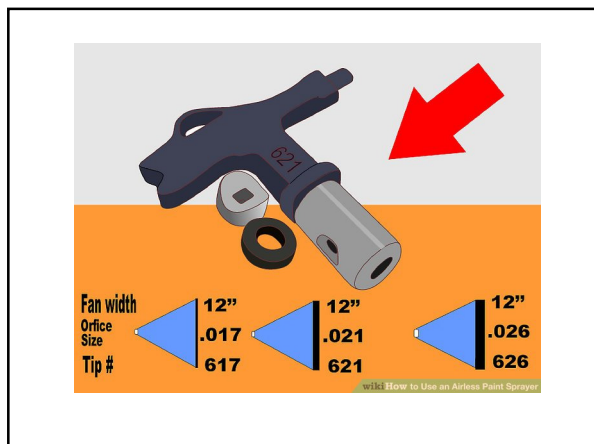
Application Methods

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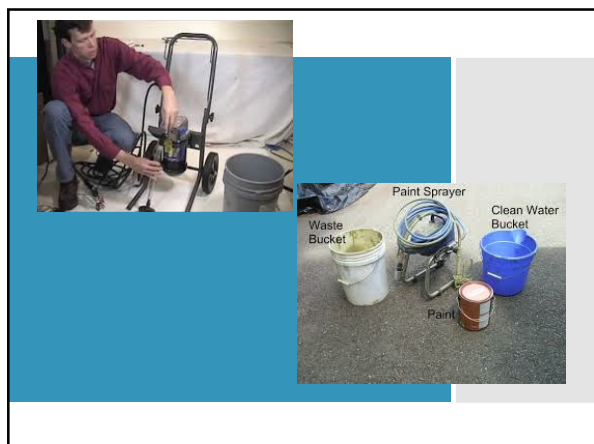


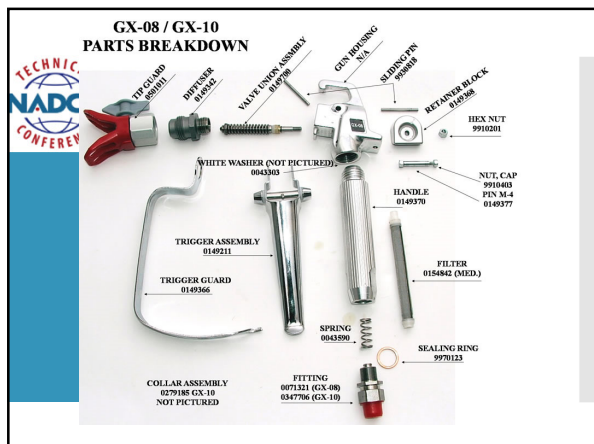


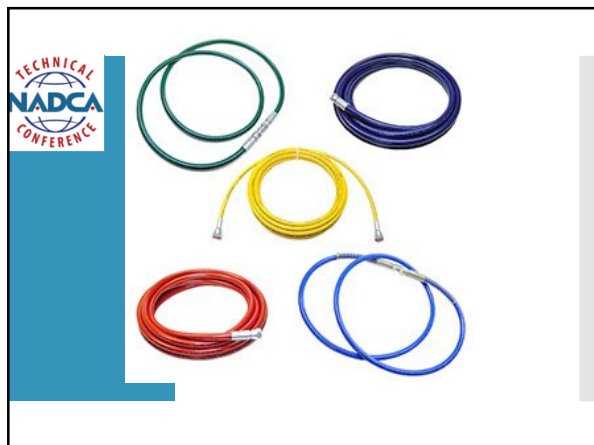


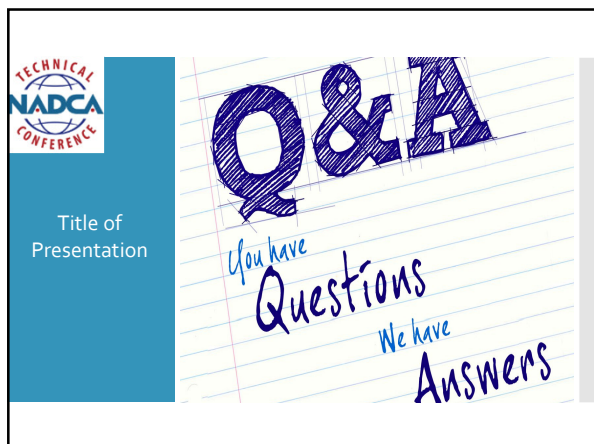














Title of Presentation

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Thank you
for
Participating!

