

APPLYING CALIWEL HVAC

by Steven R. Pressman

Industrial Hygienist, ANILINE ENVIRONMENTAL

Cleveland, Ohio

This procedure covers the application of Caliwel HVACTM to duct work constructed of light and heavy steel sheet, masonry, aluminized fiberglass, wood, and plaster board. Caliwel HVACTM is ideal for ventilation system plenums and other parts of structures used for HVAC distribution or returns.

WARNINGS!

1. Immediately wash off skin or flush eyes, that come in contact with is product.
2. Shut off all ignition sources to include furnace burners, pilot flames, and blower motors prior to applying this product.
3. Provide adequate ventilation to rooms and mechanical spaces when applying this product.
4. Caliwel HVACTM is caustic; observe the precautions on the product label. Also, this product may contain flammable solvent vapors depending upon formulation.
5. As a general rule galvanized sheet metal and wire reinforced spiral plastic ducts should be left uncoated to facilitate cleaning. Caliwel HVACTM will adhere well to galvanized sheet metal ducts if this is deemed desirable by the end user. Rusted, damaged, or grossly contaminated ducts should be replaced. Redesign and repair portions of the HVAC system duct work where water may pool. Note: Should pooling occur Caliwel HVACTM will recover its anti-microbial qualities upon drying out.
6. Do not allow Caliwel HVACTM to come in contact with aluminum.
7. Do not use polyurethane foam brushes and rollers.
8. Use only new rollers or brushes to apply Caliwel HVACTM.
9. It is preferable to apply Caliwel HVACTM to the inside surfaces of ducts before the assembly of new HVAC systems.

PREPARE THE JOB

1. Shut down and lock out HVAC mechanical equipment.
2. Remove external grills and HVAC registers. These may be coated separately.

3. Provide access to inside of ducts to be coated. If a hole must be cut into a duct a replaceable hatch should be constructed to cover it.
4. Mask off or block off areas to be coated using brown paper and masking tape. Brown paper covered foam rubber blocks may be used to block off areas not to be coated.
5. Mask off heat exchangers and other aluminum HVAC components.
6. Open exterior windows and or provide supplementary external ventilation using fans or HEPA fan filter units set up to keep the spaces to be coated positive to the outside air.
7. Use flexible plastic duct of appropriate size taped in place over air registers to route the fumes of drying paint through living spaces and out windows. Adjust thermostats switch to the cool position. Caliwel HVAC™ is to be sprayed with the HVAC system off. Turn the thermostat fan switch to the on position to ventilate to the outside only after Caliwel HVAC™ is dry to the touch. WARNING! Use a separate permissible HEPA fan filter unit or box fan for flammable atmospheres adapted to the HVAC system when ventilating the solvent based version of Caliwel HVAC™.
8. Use drop cloths or construct poly plastic enclosures as necessary to contain over-spray at access points.
9. Scrape, sand, and vacuum surfaces to be coated as appropriate.
10. Clean surfaces with TSP or equivalent to assure they are free of dirt grease, and oil.

APPLY CALIWEL HVAC™

1. Put on appropriate personal protective equipment (PPE) prior to applying
2. Stir the Caliwel HVAC™ thoroughly. Do not add any paints or paint thinners to Caliwel HVAC™ this could have an adverse effect on the anti-microbial performance of the product.
3. Apply even coats of Caliwel HVAC™ with a brush, roller or airless sprayer. Do not use polyurethane foam brushes and rollers.
4. Long ducts may be sprayed with a telescoping pole spray gun with a rotatable tip which can point 90 degrees to the surface being sprayed.
5. Apply two coats of Caliwel HVAC™, allowing a minimum of one hour of drying time between coats.

VENTILATE & CLEAN UP

1. Turn on the HVAC ventilation blower or HEPA fan filter unit to remove paint fumes from the duct work. Run the ventilation systems for twenty-four (24) hours or until no adverse smells are detected by nose.
2. Clean up equipment, drips and over spray with soap and water.

3. Persons applying this product should thoroughly wash off exposed skin areas that may have come in contact with this product.
4. Remove all masking materials, especially masking materials applied to the interior of the HVAC system, as these may cause a fire hazard or impede the proper operation of the HVAC system.
5. Caliwel HVACTM should dry minimum of thirty (30) days before duct cleaning by wet or dry methods is attempted. Do not use abrasives cleaners, scrub brushes or reactive disinfectants to clean Caliwel HVACTM.

Plan Your Job, Show Due Care & Be Safe!

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