

COMMERCIAL VENTILATION CORROSION PROTECTION

Doral Warehouse | Doral, Florida

5 GRAVITY INTAKE VENTILATORS + 4 EXHAUST FANS

PPG AMERLOCK 2/400 + PSX 700

COOLERTECH LLC / POMPANO BEACH, FLORIDA

PROJECT OVERVIEW

Protective coating of nine commercial warehouse ventilation assemblies

05	04	09
GRAVITY INTAKES	DOWNBLAST FANS	TOTAL ASSEMBLIES

THE PROJECT

Coolertech applied a two-coat PPG protective coating system to new commercial ventilation equipment for a warehouse facility in Doral, Florida. The scope included five 9 ft x 9 ft gravity intake ventilators and four centrifugal downblast exhaust fans.

COATING SYSTEM

BASE COAT / PPG AMERLOCK 2/400

Two-component epoxy coating selected for corrosion protection and a durable foundation on properly prepared compatible substrates.

FINISH COAT / PPG PSX 700

Polysiloxane finish selected for exterior weatherability, UV resistance, color retention, and a consistent industrial gray appearance.

PROJECT OBJECTIVE

Provide a protective finish for outdoor-exposed ventilation housings, reducing vulnerability to environmental deterioration while maintaining a uniform appearance across the equipment package.

DOCUMENTATION NOTE

Photographs document equipment condition and coating appearance. Film thickness, adhesion testing, and formal inspection results are not represented here.

CENTRIFUGAL EXHAUST FANS

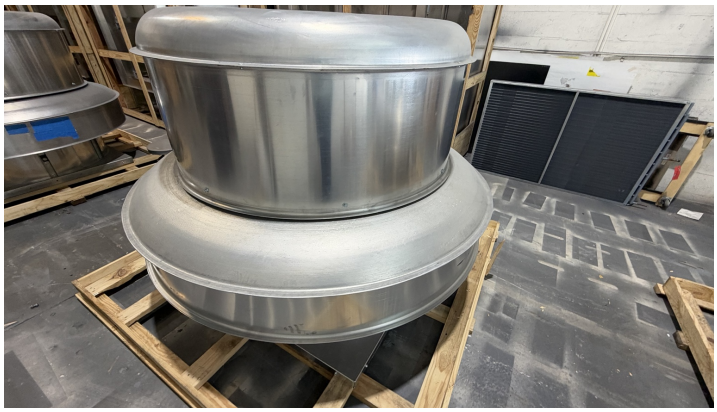
Original galvanized assemblies and completed gray finish



Original fan assembly



Uncoated fans staged in shop



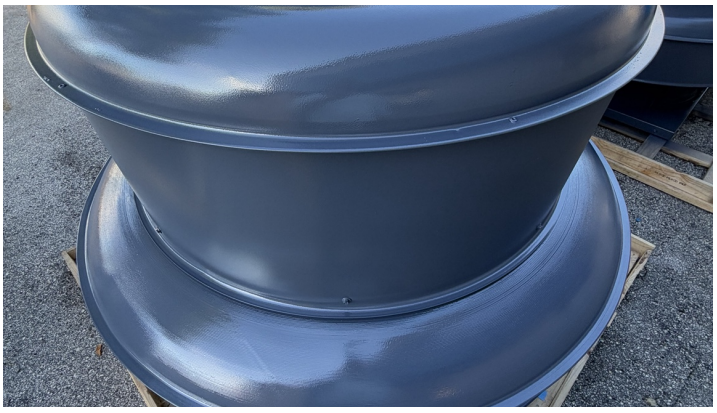
Uncoated housing details



Completed exhaust fan coating



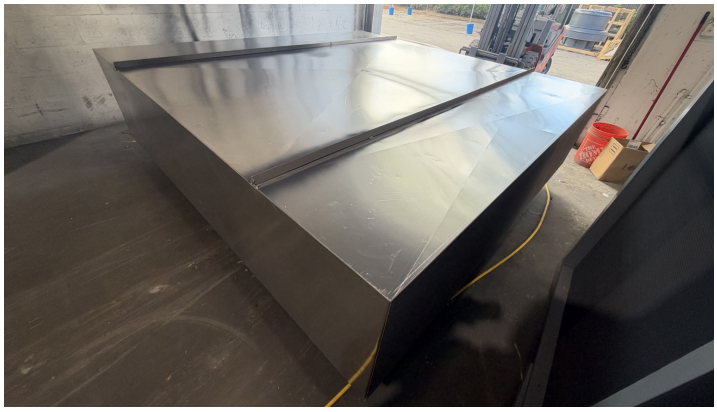
Finished fans on shipping pallets



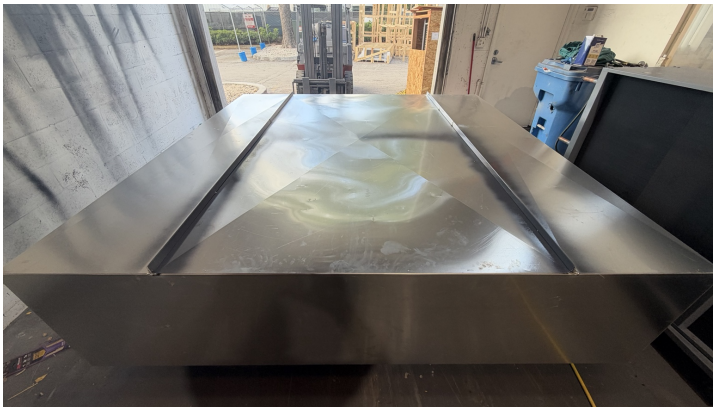
Completed top and housing

GRAVITY INTAKE VENTILATORS

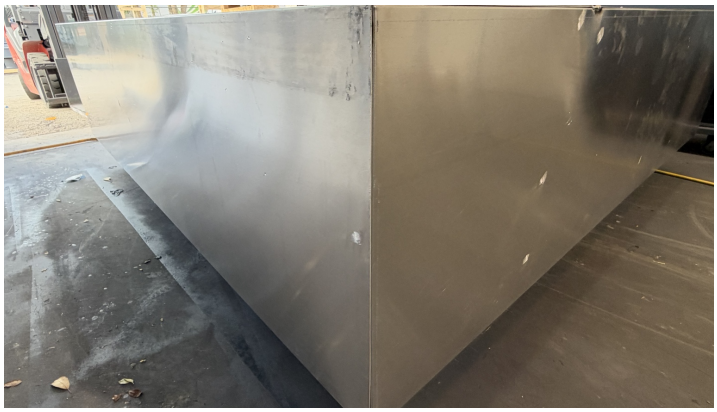
Large-format 9 ft x 9 ft intake assemblies



Uncoated intake housing



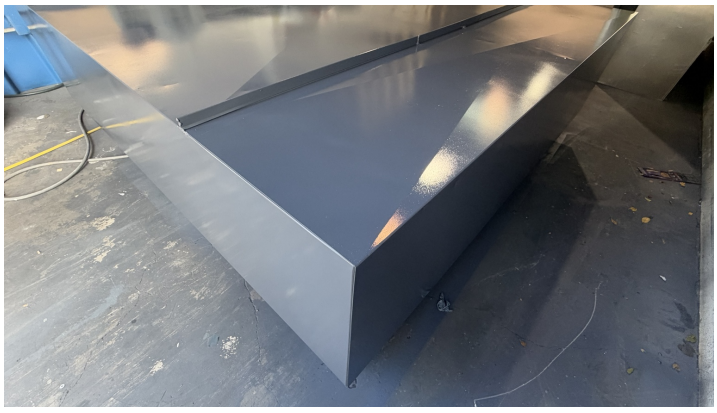
Original roof panel



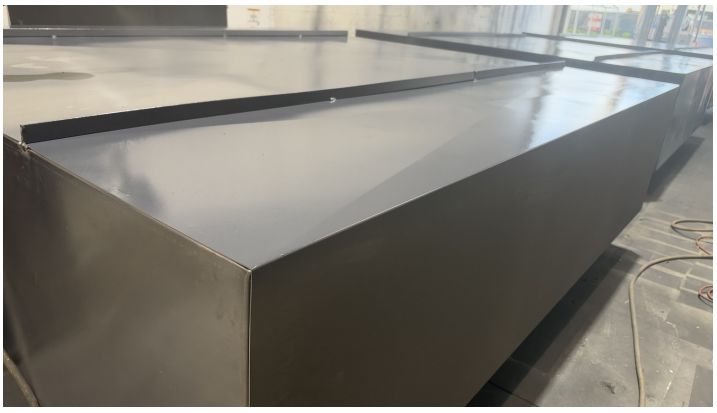
Uncoated exterior side



Coated housing and sidewalls



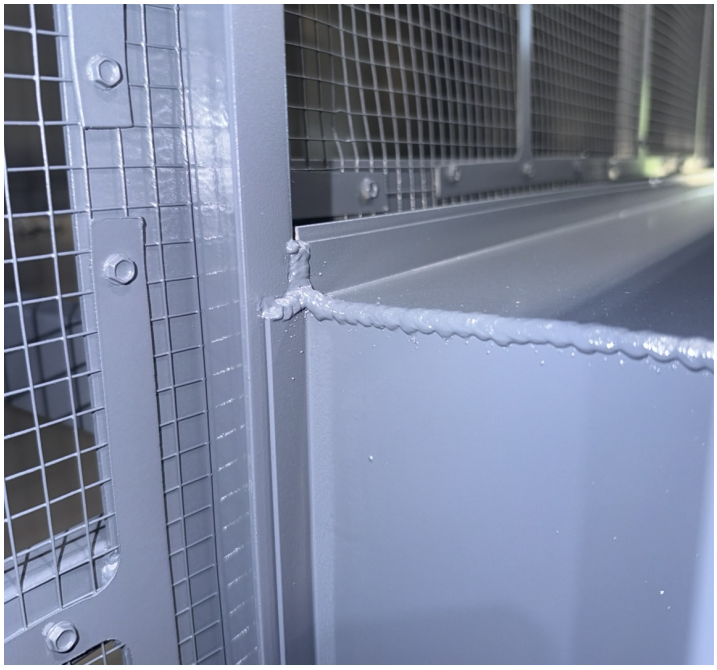
Finished roof and edge details



Coating application in progress

FINISHED INTAKE ASSEMBLIES

Details, protective screens and staged equipment



Coated welded connection and mesh



Completed screened intake



Finished intake units in frames



Completed ventilators staged for handling

PROJECT OUTCOME

Commercial ventilation equipment protected with a two-coat PPG system



COMPLETED SCOPE

Five 9 ft x 9 ft gravity intake ventilators and four centrifugal downblast exhaust fans received the specified Amerlock 2/400 and PSX 700 system. The supplied completion photographs show a consistent industrial gray finish across the visible exterior housings and assemblies.

APPLICATIONS

Rooftop exhaust fans / Gravity ventilators / Industrial ventilation housings / Commercial HVAC equipment and metal assemblies

COOLERTECH LLC

Commercial HVAC coatings | Corrosion protection | Equipment refurbishment