

**STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL
DIVISION OF AIR QUALITY**

DAQ-AB2
Page 1 of 2

AUTO BODY SHOP PERMIT AMENDMENT APPLICATION

DEPARTMENT USE ONLY

1. Name of Auto Body Shop Hertrich Collision Center of Dover, Inc.		2. Date of Application 09/23/2020		Permit Number APC-2005/0136 C/O- A3 Received Stamp APC-2021/0025- Construction/Operation
3. Physical Location (Street Address) City		County	Zip Code	
1450 S DuPont Hwy. Dover		Kent	19901	
4. Mailing Address (If Different From Above) City		County	Zip Code	
Same				<div style="border: 1px solid black; padding: 5px; background-color: #e0e0e0;"> <p align="center">RECEIVED</p> <p align="center"><small>By Division of Air Quality at 3:40 pm, Sep 23, 2020</small></p> </div>
5. Name of Owner Fred Hertrich IV	6. Name of Person Signing This Application Dale VanSchaik	7. Title of Person Signing This Application Fixed Operations Manager		
		8. Telephone 410-829-7276		
				9. Email dvanschaik@hertrichs.com
10. Is a Copy of the Applicant Background Information Questionnaire on Record at the Department?		<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No

Attach a manufacturer's specification or vendor data sheet for each spray booth. Attach additional pages as needed.

11. New Booth: (MAKE) Garmat (MODEL) 3000/99830X # of Booths: 2 Spray or Prep: Spray
 Stack Exhaust Exit Velocity (feet per second) or Flow Rate (actual cubic feet per minute): 16,000 CFM
 Old Booth: (MAKE) SprayBake (MODEL) SB 10 SDEMG # of Booths: 2 Spray or Prep: Spray
 Stack Exhaust Exit Velocity (feet per second) or Flow Rate (actual cubic feet per minute): 10 to 12,000
12. Stack height (from grade): Approx. 30' Diameter of the spray booth exhaust stack: 28.5" square
13. Distance of exhaust stack to your nearest neighbor or property line: Same as original stacks and location
14. Dimensions of the auto body shop *or the entire building, if co-located (one continuous roof)*:
 Length: 160'0" Width: 50'0" Height: 18'5"
15. Distance between the exhaust stack(s) and the center of the building: Approx. 35'0"
16. Removal efficiency of the filters used in the spray booth: See attached data sheet
17. Recommended pressure drop across the filters used in the spray booth: See attached data sheet

18. **Attach the most recent 12-month VOC usage report** from your coating supplier.
19. **Attach a Material Safety Data Sheet** for each product listed on the 12-month VOC usage report.
20. **Attach a Certified Product or Technical Data Sheet** for each product listed on the 12-month VOC usage report.

D

**STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL
DIVISION OF AIR QUALITY**

DAQ-AB2
Page 2 of 2

21. **Provide the number of spray guns or other coating applicators** used at the shop along with the make and model of each. Specify which product types they are used to spray.

MAKE: _____ MODEL: _____

Tip Size Used (mm): _____ Flow Rate (g/s or oz/min): _____ # of Guns: _____

Circle The Product Type Sprayed: **Surfacer** **Sealer** **Basecoat** **Clearcoat**

MAKE: _____ MODEL: _____

Tip Size Used (mm): _____ Flow Rate (g/s or oz/min): _____ # of Guns: _____

Circle The Product Type Sprayed: **Surfacer** **Sealer** **Basecoat** **Clearcoat**

MAKE: _____ MODEL: _____

Tip Size Used (mm): _____ Flow Rate (g/s or oz/min): _____ # of Guns: _____

Circle The Product Type Sprayed: **Surfacer** **Sealer** **Basecoat** **Clearcoat**

MAKE: _____ MODEL: _____

Tip Size Used (mm): _____ Flow Rate (g/s or oz/min): _____ # of Guns: _____

Circle The Product Type Sprayed: **Surfacer** **Sealer** **Basecoat** **Clearcoat**

22. **Attach an overhead picture of your building.** Indicate your shop and spray booth stack(s).

I, the undersigned, hereby certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all of its attachments as to the truth, accuracy, and completeness of this information. I certify based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete. By signing this form, I certify that I have not changed, altered, or deleted any portions of this application. I acknowledge that I cannot commence construction, alteration, modification or initiate operation until I receive written approval (i.e. permit, registration, or exemption letter) from the Department. I acknowledge that I may be required to perform testing of the equipment to receive construction or operation approval, and that if I do not receive approval to construct or operate that I can appeal the decision.

Dale Van Schaik *operation mgr Henricks*
Owner or Authorized Agent

Dale M Van Schaik
Signature of Owner or Authorized Agent

9-23-20
Date

Please submit this application to:

DNREC Division of Air Quality
State Street Commons
100 West Water Street, Suite 6A
Dover, DE 19901

PAINT ARRESTANCE FILTER TEST REPORT

Spray Removal Efficiency & Paint Holding Capacity

Based on 40 CFR Part 63 National Emission Standard

Filter Name: **22 Gram Fiberglass Paint Arrestor**
 Test Date: **January 2010**

Test Information

Filter Description: (20" X 20")
 Yellow Fiberglass on White Backing
 Paint Description:
 High Solids Baking Enamel (S.W. #1 Permaclad 2400, red)
 Paint Spray Method:
 Conventional Air Gun at 40 PSI
 Spray Feed Rate:
 144 gr./min. 135 cc./min.
 Air Velocity:
 150 FPM

Test Results

Initial Pressure Drop of Clean Test Filter:
 0.03 in. water
 Final Pressure Drop of Loaded Test Filter:
 0.09 in. water
 Weight Gain on Test Filter & Test Frame Trough:
 3916 grams
 Paint Holding Capacity of Test Filter:
 1202 grams = 2.6 lbs.
 Paint Run-Off:
 2714 grams
 Weight Gain on Final Filter:
 24.55 grams = Penetration
 Average Removal Efficiency of Test Filter
 99.38 %

Test Engineer: Todd Kruger
 Supervising Engineer: K. C. Kwok, Ph.D.

