# Building Permit Application

Howard County Maryland
Department of Inspections, Licenses and Permits
3430 Court House Drive
Permits: 410-313-2455
www.howardcountymd.gov

**Date Received:** 4-27-15

**Permit No.:** B15001499

8107 Stayton Drive

State: MD Zip Code: 20794

SDP/WP/BA #:

Subdivision:

Area: Lot:

Parcel: Grid:

Map Coordinates: Lot Size:

Industrial

Name

ion Cost: $ 5,000.00

: Install Dairmaster

T Wperry

eviously occupied? ☑Yes ☐No

State: Zip Code:

Fax:

**Property Owner's Name:** Gary Dunman
**Address:** 8101 Snouffer School Rd
**City:** Gaithersburg **State:** MD **Zip Code:** 208 79
**Phone:** 301-370-3323 **Fax:**
**Email:** gdunman@tuptent.com

**Applicant's Name & Mailing Address, (If other than stated herein)**
**Applicant's Name:** RD Rotter Builder
**Address:** 2937 Industrial Park Drive E
**City:** Finksburg **State:** MD **Zip Code:** 21048
**Phone:** 410 526-6233 **Fax:** 526-6970
**Email:** mdautoequipment@aol.com

**Contractor Company:** T Wperry (Lennit)
**Contact Person:** Courtney Paul
**Address:** 8107 Stayton Drive
**City:** Ellicott City **State:** MD **Zip Code:** 20794
**License No.:**
**Phone:** Fax:
**Email:**

**Engineer/Architect Company:** Iem Tech Services
**Responsible Design Prof.:** Paul Rotter
**Address:** PO Box 201
**City:** Manchester **State:** MD **Zip Code:** 21111
**Phone:** [redacted] **Fax:** 410 667-2123
**Email:** PRotter@gmail.com

| g Characteristics | Residential Building Characteristics |
|---|---|
| | ☐ SF Dwelling ☐ SF Townhouse |
| | Depth / Width |
| oor: | 1st floor: |
| | 2nd floor: |
| ı (sq. ft.): | Basement: |
| | ☐ Finished Basement |
| | ☐ Unfinished Basement |
| | ☐ Crawl Space |
| on type: | ☐ Slab on Grade |
| ete | No. of Bedrooms: |
| | Multi-family Dwelling |
| | No. of efficiency units: |
| | No. of 1 BR units: |
| odular | No. of 2 BR units: |
| | No. of 3 BR units: |
| | Other Structure: |
| | Dimensions: |
| Project Permit | Footings: |
| ☒No | Roof: |
| oject Permit # | ☐ State Certified Modular |
| | ☐ Manufactured Home |

| Utilities | |
|---|---|
| Water Supply | |
| ☑ Public | |
| ☐ Private | |
| Sewage Disposal | |
| ☑ Public | |
| ☐ Private | |
| Electric: ☑ Yes ☐ No | |
| Gas: ☑ Yes ☐ No | |
| Heating System | |
| ☐ Electric ☐ Oil | |
| ☐ Natural Gas ☐ Propane Gas | |
| ☐ Other: | |
| Sprinkler System: | |
| ☐ Yes ☐ No | |
| | |
| Grading Permit Number: | |
| | |
| Building Shell Permit Number: | |

3Y CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN AT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

ure

Print Name: Robert Rotter

Date

o equipment@aol.com

lant

*Checks Payable to:* **DIRECTOR OF FINANCE OF HOWARD COUNTY**

***PLEASE WRITE NEATLY & LEGIBLY***

***-FOR OFFICE USE ONLY-***

| | DATE | SIGNATURE OF APPROVAL |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| ) | | |
| | 5/12/15 | H. Osvald |

approval required for issuance? ☐ Yes ☐ No
ONSTRUCTION START

| DPZ SETBACK INFORMATION |
|---|
| Front: |
| Rear: |
| Side: |
| Side St.: |
| All minimum setbacks met? ☐ Yes ☐No |
| Is Entrance Permit Required? ☐ Yes ☐No |
| Historic District? ☐ Yes ☐No |
| Lot Coverage for New Town Zone: |
| SDP/Red-line approval date: |

| | |
|---|---|
| Filing Fee | $ |
| Permit Fee | $ |
| Tech Fee | $ |
| Excise Tax | $ |
| PSFS | $ |
| Guaranty Fund | $ |
| Add'l per Fee | $ |
| Total Fees | $ |
| Sub-Total Paid | $ |
| Balance Due | $ |
| Check | # 7534 |

hite: Building Officials Green: PSZA,Zoning Yellow: PSZA,Engineering Pink: Health Gold: SHA

\Building applmp 8.2012.docx

**MARYLAND DEPARTMENT OF THE ENVIRONMENT**
1800 Washington Boulevard • Baltimore MD 21230
410-537-3000 • 1-800-633-6101

ce J. Hogan, Jr.
or

Ben Grumbles
Secretary

. Rutherford
int Governor

27, 2015

ry Bowman
nouffer School Rd
sburg, MD 20879

Ir. Bowman:

The Department has received your completed Request for Coverage form and fee for an Air General Permit to Construct for Vehicle Refinishing at the following location:

| | |
|---|---|
| Source Name: | TW Perry |
| Street Address: | 8107 Stayton Drive<br>Jessup, MD 20794 |
| Equipment: | Custom Built Painting Booth or Area |
| I.D. No.: | 027-0653-6-0455 |
| AI No.: | 146982 |

The permit is effective as stated in the General Permit. The cancelled check or other receipt, a of the Request for Coverage, the permit conditions from the application package, this letter, and her supporting documents should be retained on site.

n the event that you have misplaced the permit conditions from the application package, they downloaded from the Departments web page:
www.mde.state.md.us/programs/Permits/AirManagementPermits/AirQualityGeneralPermit.
ue bordered pages within the application package are the permit conditions applicable to you.

f you have any questions, please contact Nolan Penney at Nolan.Penney@maryland.gov or 537-3219.

Sincerely,

Karen G. Irons, P.E., Administrator
Air Quality Permits Program
Air and Radiation Management Administration

Howard County Health Department

Bureau of Environmental Health
8930 Stanford Boulevard, Columbia, MD 21045
Main: 410-313-2640 | Fax: 410-313-2648
TDD 410-313-2323 | Toll Free 1-866-313-6300
www.hchealth.org
Facebook: www.facebook.com/hocohealth
Twitter: HowardCoHealthDep

**Maura J. Rossman, M.D., Health Officer**

May 11, 2015

TWP STAYTON LLC C/O GARY BOWMAN
8101 SNOUFFER SCHOOL ROAD
GAITHERSBURG, MD 20879

***Sent via email to: GPBOWMAN@TWPERRY.COM***

**RE: B15001499**
**8107 Stayton Drive**
**Jessup, MD 20794**

Mr. Bowman:

This letter is in response to building permit B15001499. The building permit application and plans indicate that the proposed work includes equipment that will be used for paint spraying and will need to be reviewed and permitted with Maryland Department of the Environment (MDE), Air Quality Program, Air and Radiation Management Administration. If you have any questions you can contact the Air Quality Permits Program at (410) 537-3230.

Building permit approval is being withheld until a permit has been issued by MDE or a copy of the payment invoice indicating that the review has been completed has been forwarded to the Health Department. I may be reached at 410 313-4261 if you would like to discuss the project in more detail.

Respectfully,

*Hank Oswald*

Hank Oswald
Program Manager, Well & Septic Program
Bureau of Environmental Health

B15001499

RECEIVED
APR 27 2015
LICENSES & PERMITS
DIVISION

# UniCure

Spraybooths
104 Spence Lane
Nashville, TN 37210

# CODES PACKAGE
# FOR
# NON-HEATED SPRAYBOOTH

# AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

This document is the property of Intertek Testing Services and is not transferable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.

| | | | |
|---|---|---|---|
| **Applicant:** | Interstate Marketing Corp.<br>Unicure Spraybooths | **Manufacturer:** | Interstate Marketing Corp.<br>Unicure Spraybooths |
| **Address:** | 104 Spence Lane<br>Nashville, TN 37210 | **Address:** | 104 Spence Lane<br>Nashville, TN 37210 |
| **Country:** | USA | **Country:** | USA |
| **Contact:** | Allen Jenkins | **Contact:** | Allen Jenkins |
| **Phone:** | 615/889-3330 | **Phone:** | 615/889-3330 |
| **FAX:** | 615/889-6773 | **FAX:** | 615/889-6773 |
| **Email:** | aj.imc@tds.net | **Email:** | aj.imc@tds.net |

**Party Authorized To Apply Mark:** Same as Manufacturer
**Report Issuing Office:** POR

**Control Number:** 9700307 **Authorized by:** for Patricia Sweet
William T. Starr, Certification Manager

ETL CLASSIFIED
C ETL LISTED US
Intertek

This document supersedes all previous Authorizations to Mark for the noted Report Number.

This Authorization to Mark is for the exclusive use of Intertek's Client and is provided pursuant to the Certification agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Authorization to Mark. Only the Client is authorized to permit copying or distribution of this Authorization to Mark and then only in its entirety. Use of Intertek's Certification mark is restricted to the conditions laid out in the agreement and in this Authorization to Mark. Any further use of the Intertek name for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. Initial Factory Assessments and Follow up Services are for the purpose of assuring appropriate usage of the Certification mark in accordance with the agreement, they are not for the purposes of production quality control and do not relieve the Client of their obligations in this respect.

Intertek Testing Services NA Inc.
165 Main Street, Cortland, NY 13045
Telephone 800-345-3851 or 607-753-6711 Fax 607-756-6699

| | |
|---|---|
| **Standard(s):** | Standard for Spray Application using Flammable or Combustible Materials<br>(NFPA 33-2011, Issued 2011/06/01)<br>Paint Spraybooths and Drying Ovens<br>(CGA CR90-003, Revision No. 4, 2/13/1992) |
| **Product:** | Combination Paint Spray Booth and Drying Oven |
| **Brand Name:** | UniCure, e-Spray |
| **Models:** | UniCure:1000A, 1000B, 1000C, 1000D, 1004, 1005, 1006, 1007, 3006 and 3007.<br>UniCure:UE-180-CD, UE-2489-CD, UE-2489-SDD, UE-2489-DD-DF, DDNP2408, UE-2489-DSE, UE-2489-Z6, and UE-2489-Z7.<br>e-Spray: ES300SDD, ES300DSE, and ES300DD<br>e-Spray: ES100CD, ES100SDD, ES200SDD, and ES200DSE. |

UniCure

**SPRAYBOOTHS**
104 Spence Lane
Nashville, TN 37210
1-800-868-3033 (615) 889-3330
Fax # (615) 889-6773
www.spraybooths.com

# UNICURE'S COMPLIANCE WITH NATIONAL SAFETY CODES

## INTENTION OF THIS REPORT

The intention of this report is to identify the applicable code requirements and to confirm that UniCure Spraybooths, built in the USA for Interstate Marketing Corporation, are designed and built to conform to or exceed them.

## MANUFACTURERS SPECIFICATIONS COMPARED TO NFPA & IBC CODES

MANUFACTURED IN COMPLIANCE WITH OSHA - NFPA - IBC - IFC - NEC
CONFORMS TO IBC 2009

This code sets forth the minimum requirements for automotive paint spraybooths. By reference it requires full compliance with the National Fire Protection Association Standard No. 33 entitled "Spray Application Using Flammable and Combustible Materials" and International Fire Code.

## NFPA CODE

It requires that "The booth be constructed of steel not thinner than No. 18 MSG, securely and rigidly supported".

## UNICURES CONSTRUCTION

The construction of UniCure exceeds this code by using steel panels, interlocked by exterior flanges forming a super rigid structure with smooth interior walls. The panels are built of 18 MSG galvanized steel.

A sealant is used in every joint. By design, the structure is pressurized and air tight.

This type of construction also surpasses the noncombustible requirements of the code.

## NFPA CODE

It requires that the spraybooth must be designed to sweep air towards the exhaust outlet. The interior must be structured to prevent pocketing of residues and to facilitate cleaning and washing without mechanical injury.

## UNICURE'S CONSTRUCTION

The walls, ceiling, floor, doors, filters and lighting arrangement are in full compliance as all surfaces are smooth and free of pockets.

## NFPA CODE

It requires that all metal components of the spraybooth should be permanently grounded.

## UNICURE'S CONSTRUCTION

The electrical power box of UniCure is designed for permanent grounding of the whole structure. The power execution of the electrical works at the erection site should be monitored by the local electrical authorities.

## NFPA CODE

Any flame or source of ignition shall not be placed within the paint spraybooth.

## UNICURE'S CONSTRUCTION

The electrical motors, fans, heated air make-up system and electrical components are all located outside the spraying chamber and separated from it by walls that exceed the code requirements.

Internal lighting is provided by exterior mounted light fixtures, which are double protected from flammable vapor exposure. First, they are protected by the installation of a gasketed glass enclosure. Second, by the downdraft motion of the air that will exhaust all overspray produced in the chamber, vertically down and away from the light fixtures.

Electrical wiring providing power to the unit must be field installed once the booth is constructed. The wiring must comply with NFPA code 70. A competent licensed electrician must install this system, under the permit and inspection of the local electric code official.

## IBC AND NFPA CODES SPECIFY

The ventilation of a booth should provide a safe atmosphere inside the spraying chamber by using the appropriate percentage of fresh air intake.

## UNICURE'S CONSTRUCTION

UniCure uses 100% fresh air during the spraying and baking cycles. Air is brought from the outside to replace the air inside the spraying chamber 6 times a minute. Volatile fumes and paint thinners are always exhausted and never re-circulated. The volume of air and the speed of exchange exceed the standard's requirements.

Purification of the exhausted air is not a code requirement but UniCure is designed to comply with Environment Protection Standards. Its double, progressively denser, paint stop filters conform to the most stringent state and local codes.

## NFPA CODE

It requires that the spraying area be protected with an approved automatic fire extinguishing system.

## UNICURE'S CONSTRUCTION

The unit is designed to accept:

a. Automatic water sprinklers.
b. Dry chemical.
c. Halon 1211 / 1301

In this manner UniCure complies with the section 416 of the IBC code that requires the installation of an approved automatic fire extinguishing system.

## NFPA CODE

The code provides an exception for single enclosures used from spraying and baking. It states that a heating system installed outside and adjacent to the paint spraybooth must be equipped with an interlocking ventilating system arranged to:

a. Thoroughly ventilate the drying space before the heating system could start.
b. Maintain a safe atmosphere by separation from any source of ignition.
c. Automatically shutdown the heating system in the event of failure of the ventilating system.

All these safeguards are incorporated into the UniCure Spraybooth.

In addition, the following is a list of SAFETY FEATURES used:

*Thermocouples are installed in the air stream of the heated air make-up system to automatically shut off the burner in the case of an undue rise in temperature.

*All doors close from the inside. All units are provided with a service door, with safety glass, ¼" thick and over a one hour fire rating.

*In the spray cycle the fans that are in operation move 12,000 CFM and provide the correct air changes per minute. No air that has passed by the spraying chamber is ever re-circulated in the spray cycle.

*An efficient filtration system arrests virtually all pigment and pollutants before the air is discharged back into the outside atmosphere.

## CONCLUSION

UniCure is designed and manufactured to meet or exceed the requirements set forth by the National Fire Protection Association's "Standard for spray application using flammable and combustible materials" Number 33-2011, and the IBC, International Building Code, 2009, Section 416 "Application of Flammable Finishes" as well as IFC, International Fire Code, 2009, section 1504. These are nationally recognized and are generally the basic requirements for state and local codes. There may be additional requirements specified in state or local codes.

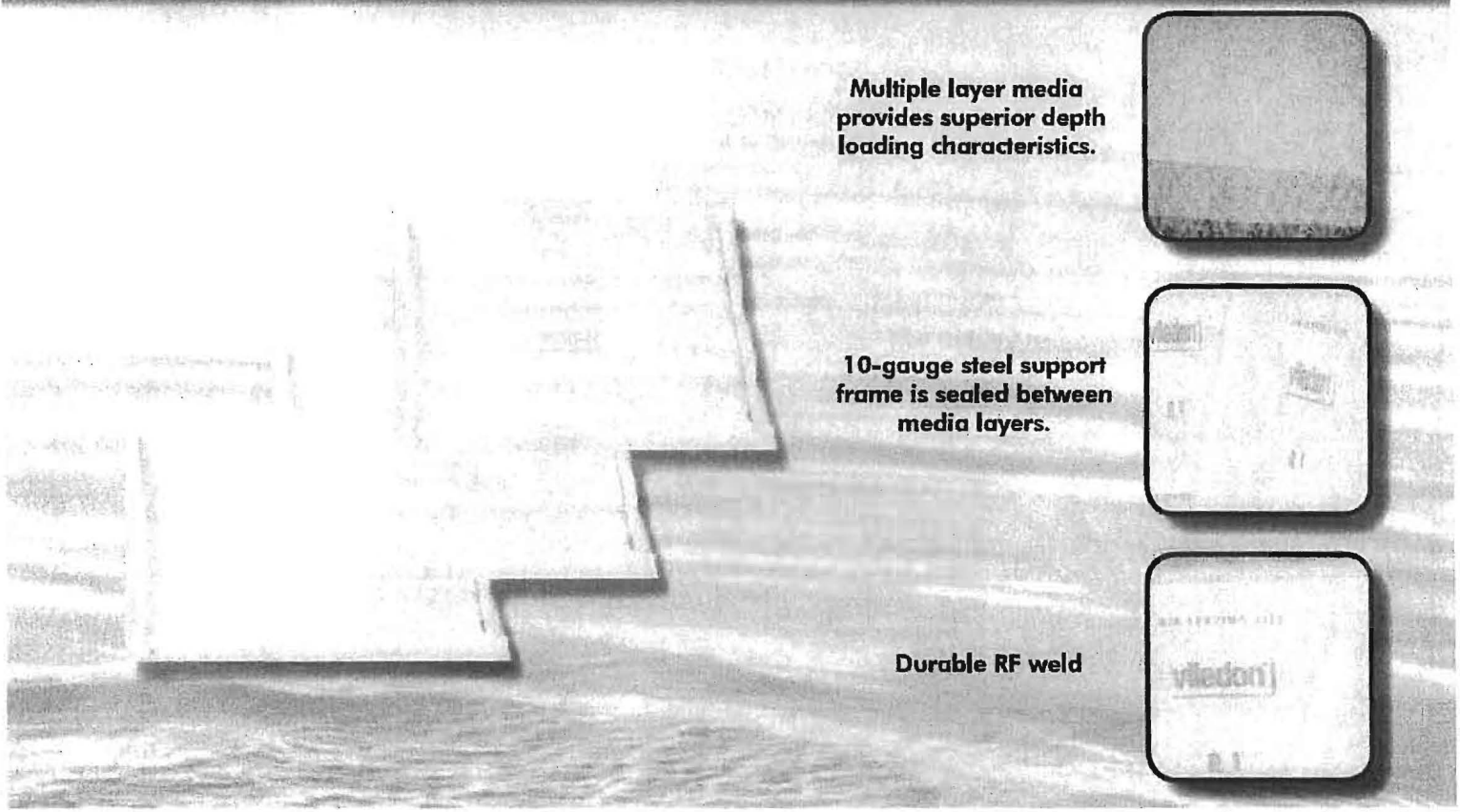
**Exception:** Consult local codes for fire suppression systems requirements.

# viledon® R-1

GREENGUARD INDOOR AIR QUALITY CERTIFIED®

## Panel Filter

viledon migration test (S1)




R-1 panels and links are designed by viledon for air make-up of paint spray booths or prefiltration for high efficiency final filters. The multiple synthetic layers combine a prefilter consisting of a high performance cover mat with a final filter of progressively structured media, thermally bonded and treated with a proprietary tackifier. vildeon's filtration superiority, known as the **viledon difference**, is highlighted by the following:

- ▶R-1 panels and links self-supporting panels are designed for 95% efficiency on 10 micron particles and larger.
- ▶R-1 panels and links offer superior filtration of supply air to paint spray booths where controlled laminar flow is a requirement.
- ▶R-1 panels and links have a proprietary tackifier completely encapsulating all fibers eliminating particle migration due to mechanical vibrations associated with paint spray booths.
- ▶The R-1 series is environmentally friendly and designed to comply with most landfill regulations.
- ▶R-1 is also available with a scrim option on the air leaving side, enhancing mechanical integrity.
- ▶UL900 Class 2.
- ▶Temperature resistance:
  Continuous: 212°F, peaks at 250°F.
- ▶viledon's development team is continually creating new products to serve emerging markets and meet changing specifications.

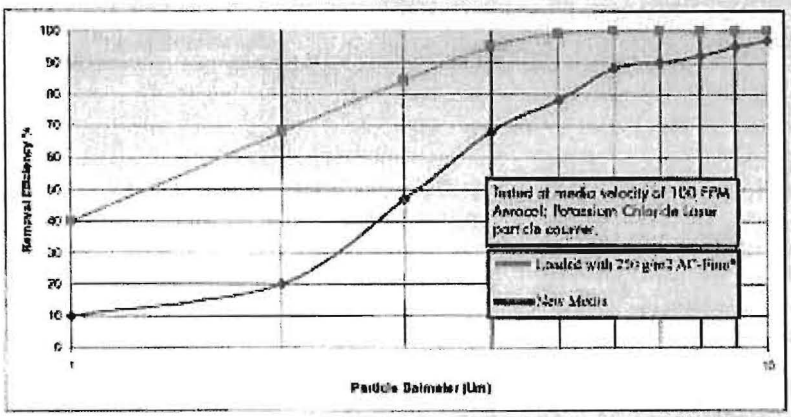
Freudenberg
Filtration Technologies

Freudenberg

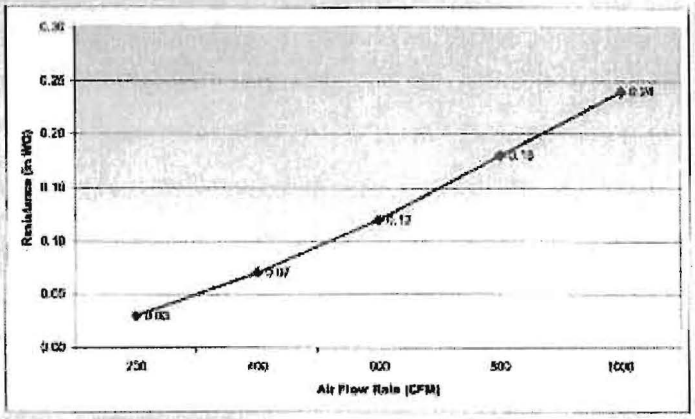
# Technical Data- viledon R-1

viledon®

## Particle Removal Efficiency




## Resistance Curve




| Performance | Unit | R-1 |
|---|---|---|
| Media Velocity | FPM | 100 |
| Initial Resistance (100 FPM) | "w.g. | .07 |
| Average Effciency on Particles >10 micron | % | 95 |
| Thickness | in" | .71 |
| Weight | $g/m^2$ | 350 |

## R-1 Characteristic Chart

| Available Sizes | unit | Sizes |
|---|---|---|
| R1 Panels and Links | ea. | All Standard Sizes, Special sizes available upon request |

The figures given are mean values subject to tolerances due to normal production fluctuations. Our explicit written confirmation is always required for the correctness and applicability of the information involved in any particular case.

viledon® is a registered trademark of Freudenberg

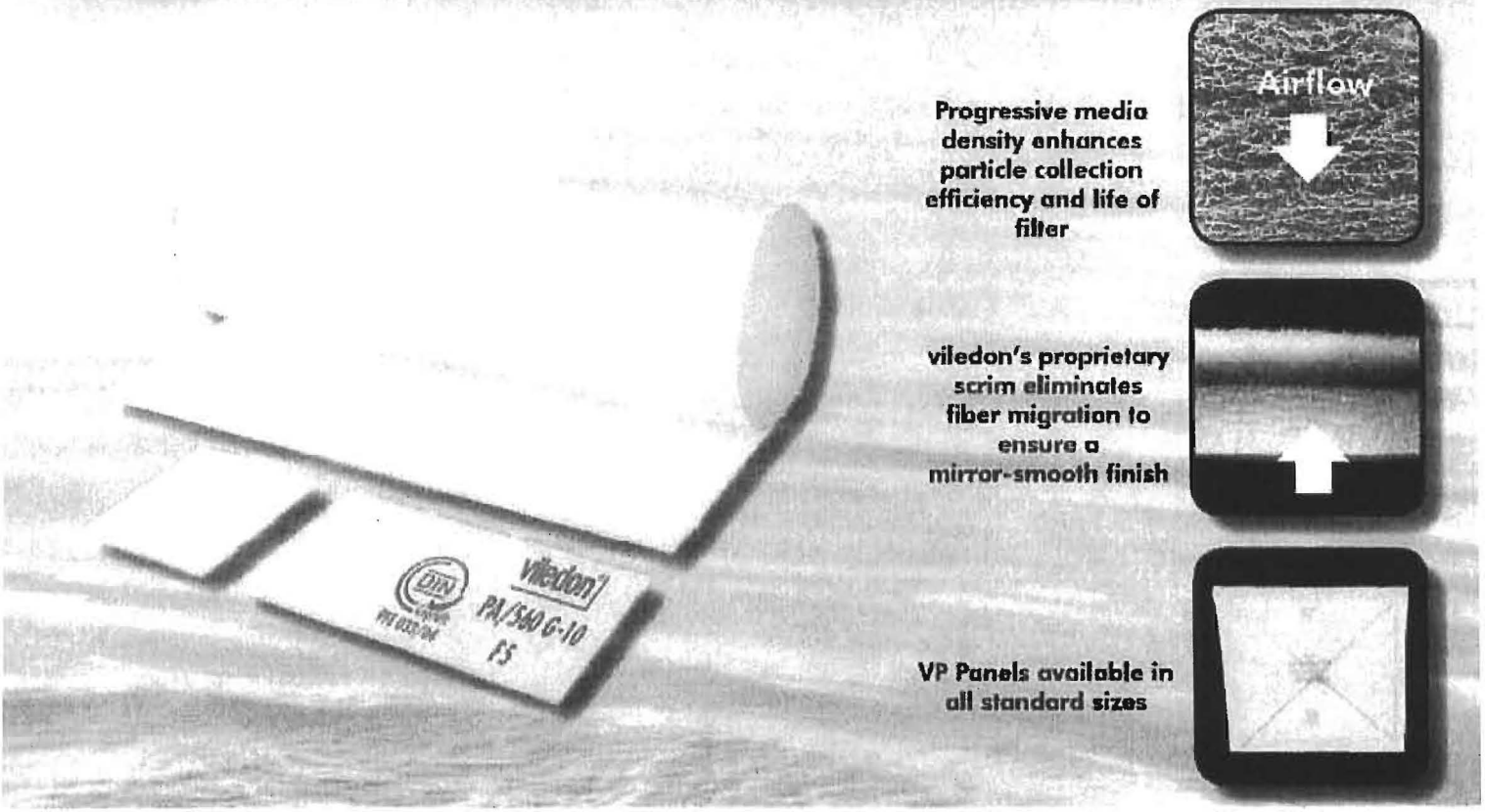
Freudenberg Filtration Technologies LP
2975 Pembroke Road
Hopkinsville, Ky 42240
Tel: 1-270-887-5145
Fax: 1-270-890-0743
www.freudenberg-filter.com

# viledon PA/560 G-10

GREENGUARD INDOOR AIR QUALITY CERTIFIED®

## Diffusion Media

**MERV 9***
viledon migration test (S0)




viledon PA/560 G-10 micron is a progressively structured diffusion media created by viledon to optimize laminar air flow. Manufactured from thermally bonded synthetic fibers, viledon's diffusion media has set the standard in paint booth filtration world wide. vildeon's filtration superiority, known as the viledon difference, is highlighted by the following:

▶PA/560 G-10 is designed for 100% efficiency on 10 micron particles and larger, and 99% on 5 micron particles.

▶PA/560 -10 qualifies for the highest (S0) class in the viledon migration test acknowledged throughout the market. For further information please contact your viledon representative.

▶PA/560 G-10 has a proprietary tackifier completely encapsulating all fibers eliminating particle migration due to mechanical vibrations associated with paint spray booths. The PA-560 G-10 achieves maximum protection against migration of paint damaging particles for today's high-gloss finishes.

▶PA/560 G-10 has a nominal thickness of 1 inch.

▶PA/560 G-10 is self-extinguishing.

*Tested at 1000 fpm

▶Various options are available for systems demanding roll stock, cut sheets, pads or self-supporting panels.

▶viledon's development team is continually creating new products to serve emerging markets and meet changing specifications.

▶PA-560 G-10 micron is resistant to solvent vapors and contains no silcones.

▶UL 900 Class 1

▶Temperature resistance: Continuous 212°F, peaks at 250°F.

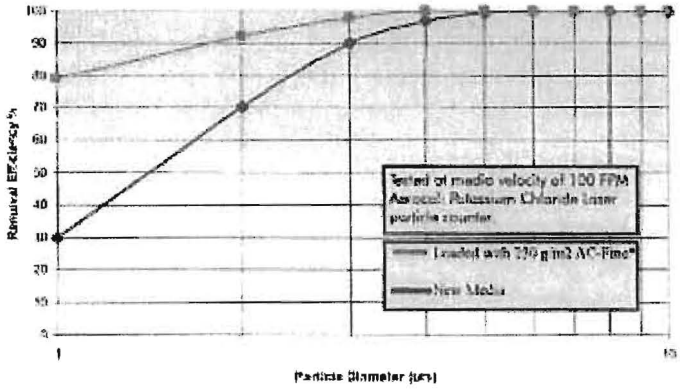
Freudenberg
Filtration Technologies

Freudenberg

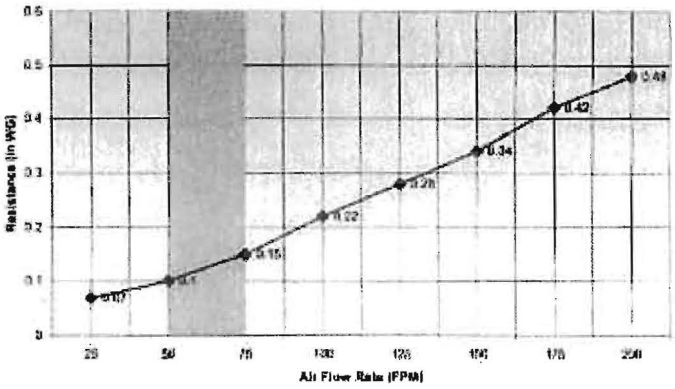
# Technical Data- viledon PA/560 G-10

viledon®

## Particle Removal Efficiency




## Resistance Curve




| Performance | Unit | PA/560 G-10 |
|---|---|---|
| Media Velocity Resistance (100 FPM) | "w.g. _ | .22 |
| Initial Resistance (60 FPM) | "w.g. | .13 |
| Robotic Zone (50/75 FPM) | "w.g. | (.10/.15) |
| Average Effciency on Particles >5 micron | % | >99.0 |
| Thickness | in. | 1.06 |

## PA/560 G-10 micron Characteristic Chart

| Sizes | Unit | Sizes |
|---|---|---|
| Bulk Rolls | roll | 83"x 65.7' (787") |
| Cut Pads | ea. | All standard sizes,<br>Special sizes available upon your request. |
| VP Panels & Links | ea. | All standard sizes,<br>Special sizes available upon request. |

The figures given are mean values subject to tolerances due to normal production fluctuations. Our explicit written confirmation is always required for the correctness and applicability of the information involved in any particular case.

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www.freudenberg-filter.com

UniCure

**Spraybooths**
104 Spence Lane
Nashville, TN 37210
1-800-868-3033
(615) 889-3330 – TN

# UniCure Exhaust Fans

1. Belt driven tubeaxial fans with spark resistant aluminum blades.

2. Tubeaxial fans designed for use in industrial ventilation systems to exhaust paint spraybooths, cleaning tanks, and mixing rooms.

3. Designed to operate in any position.

4. Precision balanced spark resistant aluminum fan blades.

5. Maximum operating temperature of 200°F.

6. Dayton Electronic Manufacturing Company certifies that the tubeaxial fans shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.

UniCure

**SPRAYBOOTHS**
104 Spence Lane
Nashville, TN 37210
1-800-868-3033 (615) 889-3330
Fax # (615) 889-6773
www.spraybooths.com

# LIGHTING CODE COMPLIANCE

The light fixtures provided with a UniCure Spraybooth are designed to meet or exceed NFPA33 requirements. Internal lighting is provided by exterior mounted light fixtures which are double protected from flammable vapor exposure. First they are protected by the installation of a gasketed glass enclosure. The glass is ¼" clear tempered rated and is sealed from the interior with an approved caulk sealant. Second by the downdraft motion of the air that will exhaust all overspray produced in the chamber vertically down and away from the light fixtures.

The provided light fixtures are also ETL listed and approved for spraybooth application. A copy of the actual fixture label is below.

CONFORMS TO ANSI/UL-1598

MODEL 4-120277-T8 MFG DATE: _____/_____

VOLTS 120/277 AMPS 0.94/0.41
MAX 32 WATTS TYPE T-8

INTERTEK ETL LISTED US
3092513

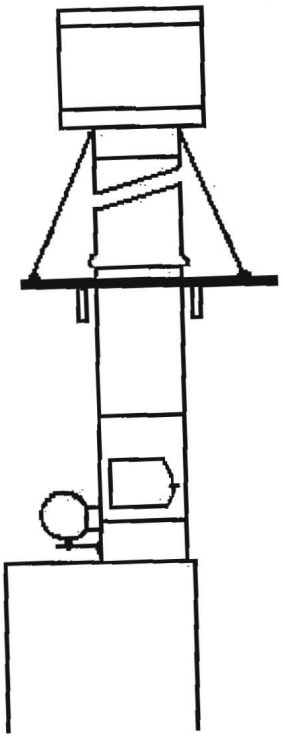
UniCure
Spraybooths Nashville, TN USA

"CAUTION - RISK OF FIRE AND ELECTRICAL SHOCK"
"DRY LOCATIONS ONLY"

UniCure

SPRAYBOOTHS
104 Spence Lane
Nashville, Tennessee 37210
1-800-868-3033
(615) 889-3330 TN

Dry booth - top exhaust



**SUPERIOR FIBERS, L.L.C.**


Corp. Offices: 499 North Broad Street, Bremen, Ohio 43107
9702 Ironpoint Road, Shawnee, Ohio 43782
2100 McClaw Road, Columbus, Ohio 43207
Route 92 South, Reedsville, West Virginia 26547
Route 8, Black Oak Industrial Park, Vanceburg, Kentucky 41179


# Product Specification

**TGT25 —22220T**
2 x (-) Green Top Dry PA-22

| | |
|---|---|
| **Thickness:** | **Nominal 2 ½ Inches** |
| **Glass Weight:** | **Nominal 22 grams / sqf (Glass & Binder)** |
| **Scrim Weight:** | **N/A** |
| **Poly Backing Weight:** | **N/A** |
| **Binder Type:** | **Cured Urea Formaldehyde** |
| **Oil Weight:** | **N/A** |
| **Roll Length:** | **As specified** |
| **Slit Width:** | **As Specified** |
| **Standard Color:** | **Green / White** |
| **Classification:** | **U.L. Class 2 (Flame Resistance)** |

**Test Data, (Holding capacity and efficiency) – Available by request**

## PAINT ARRESTANCE FILTER TEST REPORT

Spray Removal Efficiency & Paint Holding Capacity

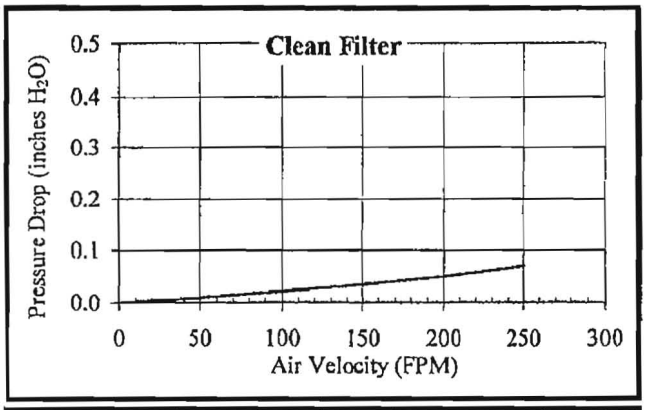
| | |
|---|---|
| Tested for: | **Superior Glass Fibers** |
| Filter Mfr.: | **Superior** |
| Filter Name/Model: | **PA-22** |
| Report#./Test# | **R 026 T 061** |
| Report Date: | **Oct. 7, 1996** |

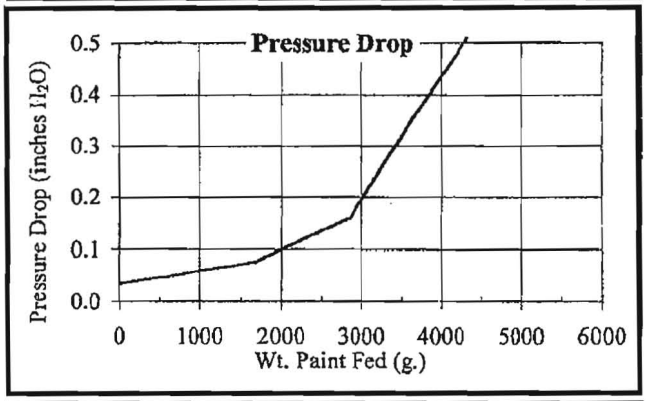
### *Test Information*

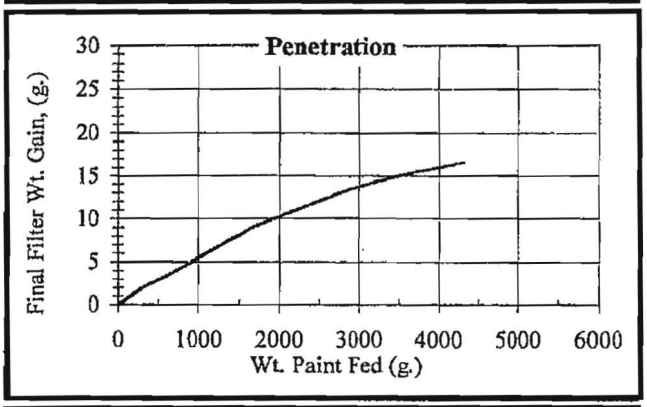
FILTER DESCRIPTION:
white fiberglass w/ thin blue fiberglass backing layer
PAINT DESCRIPTION:
High Solids Baking Enamel (S.W. #1 Permaclad 2400, red)
PAINT SPRAY METHOD:
Conventional Air Gun at 40 PSI
SPRAY FEED RATE:
**141** gr./min. **130** cc./min.
AIR VELOCITY:
**150** FPM

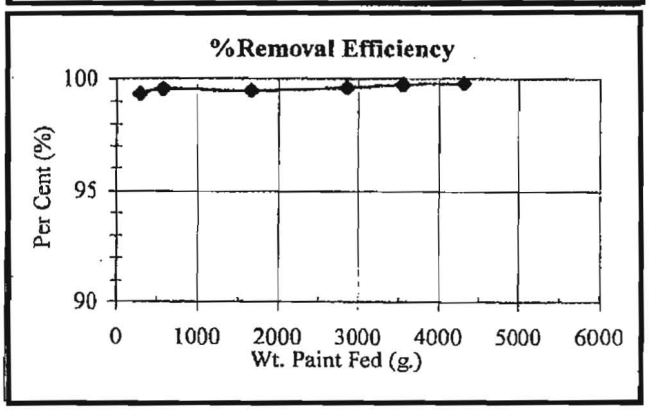
### *Test Results*

INITIAL PRESSURE DROP of Clean Test Filter
**0.04** in. water
FINAL PRESSURE DROP of Loaded Test Filter
**0.51** in. water
WEIGHT GAIN on TEST FILTER & Test Frame Trough
**3275** grams
PAINT HOLDING CAPACITY of TEST FILTER
**2185** grams = **4.8** lbs.
PAINT RUN-OFF
**1159** grams
WEIGHT GAIN - FINAL FILTER
**16.6** grams = **PENETRATION**
AVERAGE REMOVAL EFFICIENCY of TEST FILTER
**99.5** %

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