

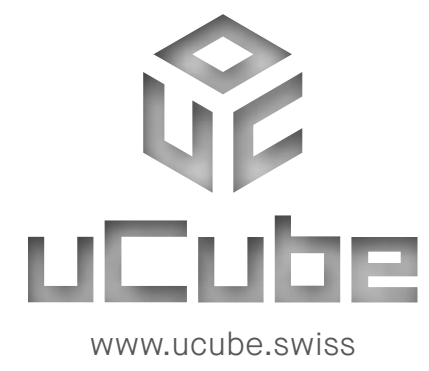
AEREM[®]

TO FILTER & PROTECT

High performant filtration and protection solutions for spray booths.

www.aerem.com





Summary

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OUR MISSION

Aerem focuses on its customers and partners needs in the finishing industry. Every relationship is a privileged partnership based on professionalism, dialog and trust. Delivering the best service with performant, environmentally friendly quality products easy to dispose of is our commitment since 1963.

Our mission is to develop, manufacture and supply high performant filtration and protection products for spray booths that aim to keep a clean and safe working environment while enhancing the spray booths productivity.



OUR VISION

Aerem's ambition is to affirm its position by becoming an international multi-brand company focused on the global finishing industry with a wide variety of renowned and innovative filtration and protection products.

OUR VALUES

Aerem is above all a work of men and women united around the world for the success of the Group. They all share the same values in a solidarity and caring climate.



ENVIRONMENT

Protecting the environment is the responsibility of everyone. Aerem uses recycled raw materials in all of its products. Our sharply tuned and performant production processes results in low waste and low energy consumption.



CUSTOMER CARE

Because all our customers are important, our priority is to support them in their projects, build and maintain a long-term partnership to be able to bring the answers adapted to each need. Over 900 distributors around the world trust us.



PROTECTION

We seriously consider the need to protect the operator and provide a secure working environment through our products and services. This is why our filters are free of polluting or toxic products. They can be stored, handled and incinerated or landfilled safely.



MULTICULTURALISM

Aerem is a selfie of multiculturalism and diversity. Our teams are made of men and women of different languages, cultures and origins. It is in this spirit of openness and diversity that we seek to build a partnership with you.



RESPECT & INTEGRITY

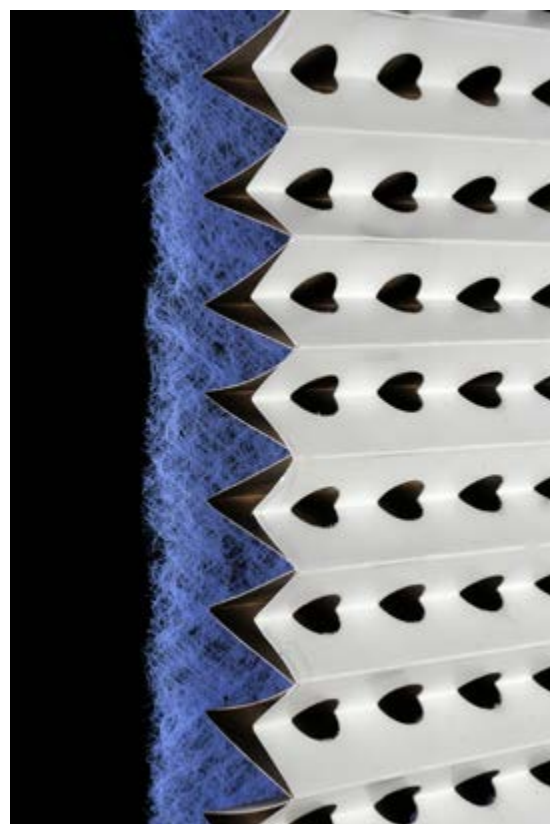
We treat others with respect and comply with all internal and external norms and regulations. We strive to always act with transparency and honesty.

Andreae Filters, Paint Booth Filtration

Since 1963, Andreae Filters is a wide range of pleated cardboard filters designed to collect any wet or liquid particles in the air (paint, adhesives, gel coat, teflon, tar, lacquer, gel coat, asphalts, epoxies etc.) in a spray booth.

Typically lasts up to 5 times longer than polyester or fiberglass, these filters using the inertia separation principle and are made to fit all types of spray booths.

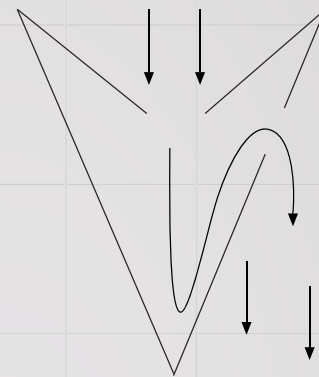
The pleated design ensures a large paint holding capacity whilst maintaining maximum airflow for much longer than many types of filtration alternatives.





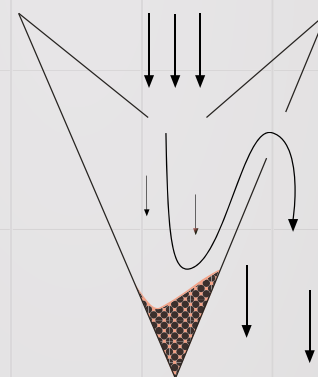
1 Airflow

Airflow enters the retention pockets and travels all the way through the twists and turns of the unique design of our accordion filter.



2 Overspray

The paint particles which are heavier than air, follow tangent trajectories within the airflow and gradually accumulate in the retention pockets outside of the airflow. This eliminates the migration phenomenon inherent to fiberglass and mesh type filters.



3 Paint deposit

The paint deposits accumulate in voluminous retention pockets, as well as on the side and front of the filter.



Separation by Inertia How does it work?

Filtration is not restricted to capturing particles with a succession of wider to smaller meshed apertures. Our ingenious filters use another principle: separation by inertia.

The migration phenomenon is common when slow-drying coatings are used in combination with mesh or fiberglass filters. This happens when the airflow pulls out particles previously trapped in the mesh or fiberglass. Consequently, the once deposited particles will again migrate throughout the system. However, with the Andreae Filter Separation by Inertia principle, the paint particles stay trapped in the retention pocket outside of the airstream.

Airflow loaded with paint particles (overspray) will suffer several radical changes in direction. These paint particles, heavier than air, follow tangent trajectories within the airflow. Thus paint particles will accumulate in the retention pockets, outside of the air stream, allowing the airflow to exit the filter virtually free of any overspray. As a result, our renowned high holding capacity filters hold up to 5 times more than common mesh filters.

Consequently, the static pressure within the booth increases slowly. This has two main advantages; the spray booth stays cleaner longer and the airflow around the coated parts stays uniform throughout the life of the filters.

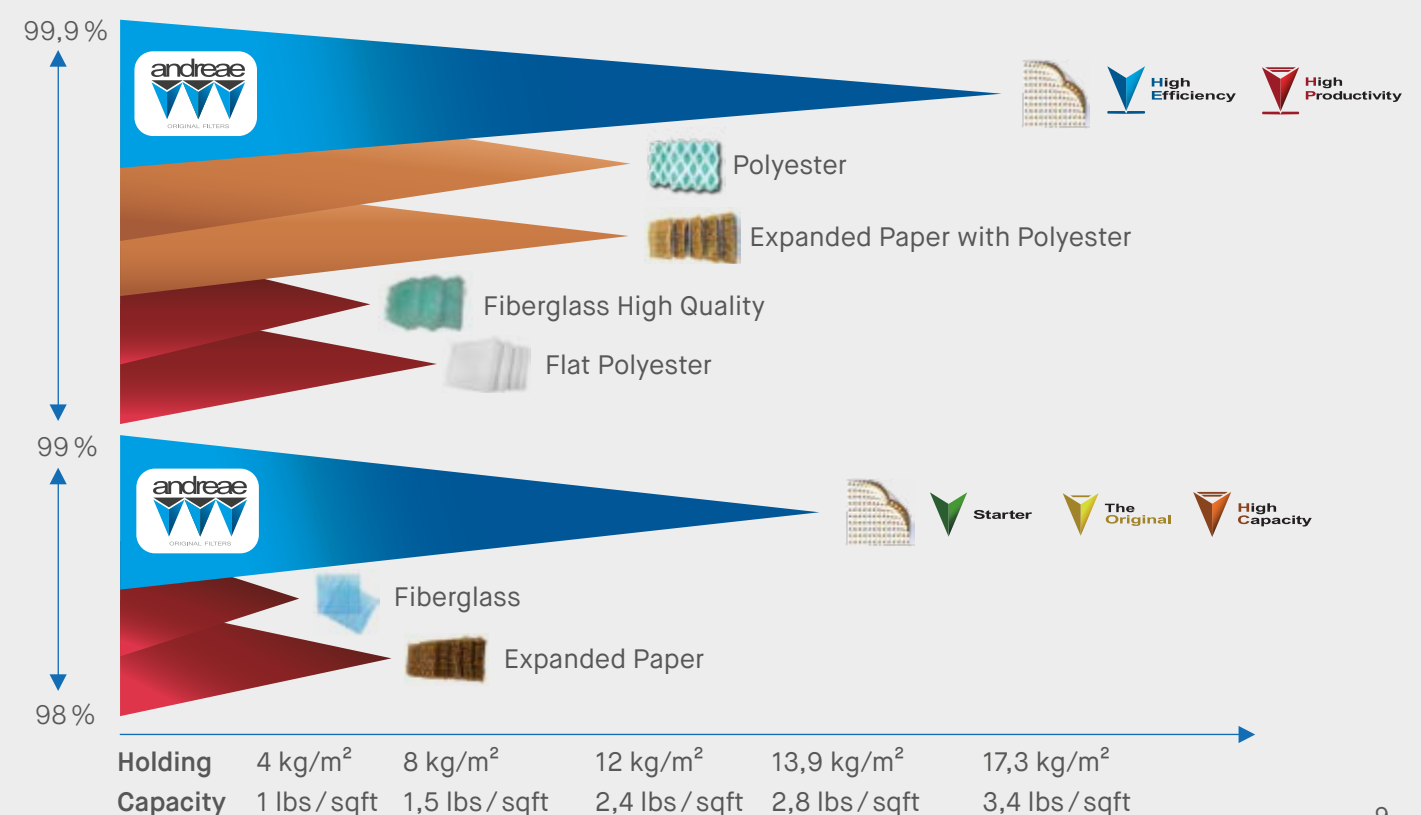


Why choose Andreae Filters?



	andreae ORIGINAL FILTERS	Polyester	Flat Polyester	Fiberglass	Fiberglass High Quality	Expanded Paper	Expanded Paper with Polyester
Cost / Rendement	Best	Moderate	Moderate	Low	Low	Low	High
Holding Capacity	Best	High	Low	Low	Low	Moderate	High
Easy Storage	✓	✗	✗	✗	✗	✗	✗
Environmental friendly	✓	✓	✓	✗	✗	✓	✓
Healthy	✓	✓	✓	✗	✗	✓	✓

Filtration Efficiency %





Andreae Design

The Andreae Starter is a low intensity filter intended for least demanding spray booth operations. Developed with the same expectation level as the Original Andreae filters, the Starter is made with 2 layers of "kraft" paper, punched, pleated and glued together. This product is ideal for a casual use of the spray booth and a great way to start with the Andreae filters range.

Performances

Load Efficiency

▼▼▼▼▼ ▼▼▼▼▼ lacquers

▼▼▼▼▼ ▼▼▼▼▼ High solids

▼▼▼▼▼ ▼▼▼▼▼ Polyester Bi-Components

Load [kg / m²] [lbs / sqft]

Lacquers 10kg / m ² 2lbs / sqft	High Solids 12kg / m ² 2,4lbs / sqft	Polyester 13kg / m ² 2,5lbs / sqft
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Efficiency [%]

Lacquers 93.10 %	High Solids 98.20 %	Polyester 97.80 %
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Recommended Air Velocity :

0.5 to 1 m / s

Pressure drop at / by :

0.5 m/s 20 pa	0.75 m/s 30 pa	1.0 m/s 40 pa
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Max. recommended pressure drop :

128 pa (possible up to 256)



Rigid Structure



Extension Limiter



Reference Filter

50
YEARS

Since over 50 years now, the Andreae Original has been the reference filter on the market. It remains the most universal and common filter in use. Our Original is made with 2 layers of heavy "kraft" paper, punched, pleated and glued together with 2 built-in extension limiters. Thanks to these limiters, the maximum load capacity is guaranteed. The Original is the filter for all paint types.

Performances

Load Efficiency

▼▼▼▼▼ ▼▼▼▼▼ lacquers

▼▼▼▼▼ ▼▼▼▼▼ High solids

▼▼▼▼▼ ▼▼▼▼▼ Polyester Bi-Components

Load [kg / m²] [lbs / sqft]

Lacquers 10kg / m ² 2lbs / sqft	High Solids 12kg / m ² 2,4lbs / sqft	Polyester 13kg / m ² 2,5lbs / sqft
--	---	---

Efficiency [%]

Lacquers 93.10 %	High Solids 98.20 %	Polyester 97.80 %
---------------------	------------------------	----------------------

Recommended Air Velocity :

0.5 to 1 m / s

Pressure drop at / by :

0.5 m/s 20 pa	0.75 m/s 30 pa	1.0 m/s 40 pa
------------------	-------------------	------------------

Max. recommended pressure drop :

128 pa (possible up to 256)



Rigid Structure



Capacity Strips



High Capacity

The Andreae HC Filter has a loading capacity up to 5 times higher than any other filter type on the market. Its unique structure allows for more paint deposit areas and a more even and in depth paint loading. The HC is made with 2 layers of heavy "kraft" paper, punched, pleated and glued together with additional large paper strips on the front to offer a higher load capacity.

Performances

Load Efficiency

▼▼▼▼▼▼ ▼▼▼▼▼▼ lacquers

▼▼▼▼▼▼ ▼▼▼▼▼▼ High solids

▼▼▼▼▼▼ ▼▼▼▼▼▼ Polyester Bi-Components

Load [kg / m²] [lbs / sqft]

Lacquers	High Solids	Polyester
13,7kg / m ²	14,7kg / m ²	13,9kg / m ²
2,7lbs / sqft	2,9lbs / sqft	2,8lbs / sqft

Efficiency [%]

Lacquers	High Solids	Polyester
93.90 %	98.30 %	98.20 %

Recommended Air Velocity:

0.5 to 1 m / s

Pressure drop at / by:

0.5 m/s	0.75 m/s	1.0 m/s
21 pa	32 pa	42 pa

Max. recommended pressure drop:

128 pa (possible up to 256)



High Efficiency



Rigid Structure



Polyester Layer



High Efficiency

The Andreae HE Filter will bring a filtration efficiency near 100% while keeping the high loading capacity of the Andreae Original filter. The HE is made with 2 layers of heavy "kraft" paper, punched, pleated and glued together completed with a polyester layer on its back increasing its filtration efficiency.

Performances

Load Efficiency

▼▼▼▼▼▼ ▼▼▼▼▼▼ lacquers

▼▼▼▼▼▼ ▼▼▼▼▼▼ High solids

▼▼▼▼▼▼ ▼▼▼▼▼▼ Polyester Bi-Components

Load [kg / m²] [lbs / sqft]

Lacquers	High Solids	Polyester
9kg / m ²	12,2kg / m ²	14,7kg / m ²
1,85lbs / sqft	2,4lbs / sqft	2,9lbs / sqft

Efficiency [%]

Lacquers	High Solids	Polyester
97.90 %	99 %	99.40 %

Recommended Air Velocity:

0.5 to 1 m / s

Pressure drop at / by:

0.5 m/s	0.75 m/s	1.0 m/s
21 pa	32 pa	42 pa

Max. recommended pressure drop:

128 pa (possible up to 256)



Rigid Structure



Fiberglass Layer



Efficiency

The Andreae HH filter has a higher filtration efficiency while keeping low airflow resistance. This means the filter lasts longer, ensuring a reduction in maintenance costs. The HH is made out of 2 layers of heavy "kraft" paper punched, pleated and glued together, completed with a fiberglass layer increasing both the filter's holding capacity and filtration efficiency.

Performances

Load Efficiency

▼▼▼▼▼ ▼▼▼▼▼ lacquers

▼▼▼▼▼ ▼▼▼▼▼ High solids

▼▼▼▼▼ ▼▼▼▼▼ Polyester Bi-Components

Load [kg / m²] [lbs / sqft]

Lacquers 11kg / m ² 2,2lbs / sqft	High Solids 13kg / m ² 4,7lbs / sqft	Polyester 15kg / m ² 5,4lbs / sqft
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Efficiency [%]

Lacquers 97 %	High Solids 98.50 %	Polyester 98.50 %
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Recommended Air Velocity:

0.5 to 1 m / s

Pressure drop at / by:

0.5 m/s 20 pa	0.75 m/s 30 pa	1.0 m/s 40 pa
------------------	-------------------	------------------

Max. recommended pressure drop:

128 pa (possible up to 256)



High
Productivity



Rigid Structure



Capacity Strips



Top Capacity



Polyester Layer



Top Efficiency

The Andreae HP filter combines the performances of the High Capacity and the High Efficiency filters. The HP is made with 2 layers of heavy "kraft" paper punched, pleated and glued together, completed with a polyester layer and additional large paper strips. It is the best-in-class choice for demanding spray booth operations.

Performances

Load Efficiency

▼▼▼▼▼ ▼▼▼▼▼ lacquers

▼▼▼▼▼ ▼▼▼▼▼ High solids

▼▼▼▼▼ ▼▼▼▼▼ Polyester Bi-Components

Load [kg / m²] [lbs / sqft]

Lacquers 13,7kg / m ² 2,7lbs / sqft	High Solids 16,2kg / m ² 3,2lbs / sqft	Polyester 17,3kg / m ² 3,4lbs / sqft
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Efficiency [%]

Lacquers 98.50 %	High Solids 98.80 %	Polyester 99.70 %
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Recommended Air Velocity:

0.5 to 1 m / s

Pressure drop at / by:

0.5 m/s 21 pa	0.75 m/s 32 pa	1.0 m/s 42 pa
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Max. recommended pressure drop:

128 pa (possible up to 256)

Which filter is available in your region?



	Model	Height		Length		Surface		
		cm	inch	m	feet	m2	sqft	pleats
Brown	AF101	100	40	10	32' 10"	10	108	260
	AF701	75	30	13,5	44' 3"	10	108	350
	AF801	90	36	9,14	30	8,35	90	240
	AF901	90	36	11,20	36' 9"	10	108	290
	Pads : AF201	50	20	50cm	20"	0,25	2.7	13
	Pads : AF401	50	20	63cm	25"	0,31	3.3	16
White	AF103	100	40	10	32' 10"	10	108	260
	AF703	75	30	13,5	44' 3"	10	108	350
	AF803	90	36	9,14	30	8,35	90	240
	AF903	90	36	11,20	36' 9"	10	108	290
Ignifuge	AF102	100	40	10	32' 10"	10	108	260
	AF702	75	30	13,5	44' 3"	10	108	350
	AF802	90	36	9,14	30	8,35	90	240
	AF902	90	36	11,20	36' 9"	10	108	290



Brown	AF111	100	40	10	32' 10"	10	108	260
	AF711	75	30	13,5	44' 3"	10	108	350
	AF811	90	36	9,14	30	8,35	90	240
	AF911	90	36	11,20	36' 9"	10	108	290
White	AF113	100	40	10	32' 10"	10	108	260
	AF713	75	30	13,5	44' 3"	10	108	350
	AF813	90	36	9,14	30	8,35	90	240
	AF913	90	36	11,20	36' 9"	10	108	290
	Pads : AF213	50	20	50cm	20"	0,25	2.7	13
	Pads : AF413	50	20	63cm	25"	0,31	3.3	16
Ignifuge	AF112	100	40	10	32' 10"	10	108	260
	AF712	75	30	13,5	44' 3"	10	108	350
	AF812	90	36	9,14	30	8,35	90	240
	AF912	90	36	11,20	36' 9"	10	108	290



Brown	AF121	100	40	8	26' 3"	8	86	210
	AF721	75	30	10,75	35' 3"	8	86	280
	AF921	90	36	9,14	30	8,35	90	240
White	AF123	100	40	8	26' 3"	8	86	210
	AF723	75	30	10,75	35' 3"	8	86	280
	AF923	90	36	9,14	30	8,35	90	240
	Pads : AF223	50	20	50cm	20"	0,25	2.7	13
	Pads : AF423	50	20	63cm	25"	0,31	3.3	16



White	AF133	100	40	8	26' 3"	8	86	210
	AF733	75	30	10,75	35' 3"	8	86	280
	AF933	90	36	9,14	30	8,35	90	240



White	AF143	100	40	8	26' 3"	8	86	210
	AF743	75	30	10,75	35' 3"	8	86	280
	AF943	90	36	9,14	30	8,35	90	240



White	AF153	100	40	8	26' 3"	8	86	210
	AF753	75	30	10,75	35' 3"	8	86	280
	AF953	90	36	9,14	30	8,35	90	240

	Model					
		Eastern Europe	Western Europe	North America	South America	Apac / mea
Brown	AF101	▼	▼	▼	▼	▼
	AF701	▼	▼		▼	
	AF801	▼	▼	▼	▼	▼
	AF901	▼	▼		▼	▼
	Pads : AF201			▼	▼	▼
	Pads : AF401			▼	▼	▼
White	AF103	▼	▼	▼	▼	▼
	AF703	▼	▼		▼	
	AF803	▼	▼	▼	▼	▼
	AF903	▼	▼		▼	▼
Ignifuge	AF102		▼			
	AF702		▼			
	AF802		▼			
	AF902		▼			

Filters/Box per Pallet 60 60 60/52 60/52 60/52

Brown	AF111	▼	▼			
	AF711	▼	▼			
	AF811	▼	▼			
	AF911	▼	▼			
White	AF113	▼	▼	▼	▼	▼
	AF713	▼	▼			
	AF813	▼	▼	▼	▼	▼
	AF913	▼	▼			▼
	Pads : AF213			▼	▼	▼
	Pads : AF413			▼	▼	▼
Ignifuge	AF112		▼			
	AF712		▼			
	AF812		▼			
	AF912		▼			

Filters/Box per Pallet 60 60 60/52 60/52 60/52

Brown	AF121	▼	▼			
	AF721	▼	▼			
	AF921	▼	▼			
White	AF123	▼	▼	▼	▼	▼
	AF723	▼	▼			
	AF923	▼	▼	▼	▼	▼
	Pads : AF223			▼	▼	▼
	Pads : AF423			▼	▼	▼
				▼	▼	▼

Filters/Box per Pallet 60 60 56/52 56/52 52

White	AF133	▼	▼	▼	▼	▼
	AF733	▼	▼			
	AF933	▼	▼	▼	▼	▼

Filters/Box per Pallet 60 60 56 56 56

White	AF143	▼	▼	▼	▼	▼
	AF743	▼	▼			
	AF943	▼	▼	▼	▼	▼

Filters/Box per Pallet 60 60 56 56 56

White	AF153	▼	▼			
	AF753	▼	▼			
	AF953	▼	▼			

Filters/Box per Pallet 52 52

uCube, The Universal Cube

The best filtration solution for paint booths using inertial separation technology.

uCube offers companies with paint shops a cost-effective, environmentally friendly and ergonomic solution for removing overspray.

Thanks to existing and recyclable raw materials, namely cardboard and polyester, the mixture of these materials gave the best load and filtration capacity for big installations especially in the automotive industry.

The internal V-shaped filter cavities allow the creation of a venturi effect and force the flow of particulate-laden air to change direction.

uCube is an easy product to assemble and replace, thus reducing costs and optimizing transport.





Why choose
uCube ?



Over 30kg of
Loading Charge



More Efficiency



Efficacity up
to 99,45%



Quick Installation



Cost Savings



Easy Transport



Optimal
Airflow

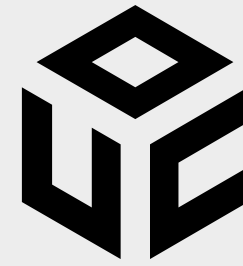


Longer Filter Life

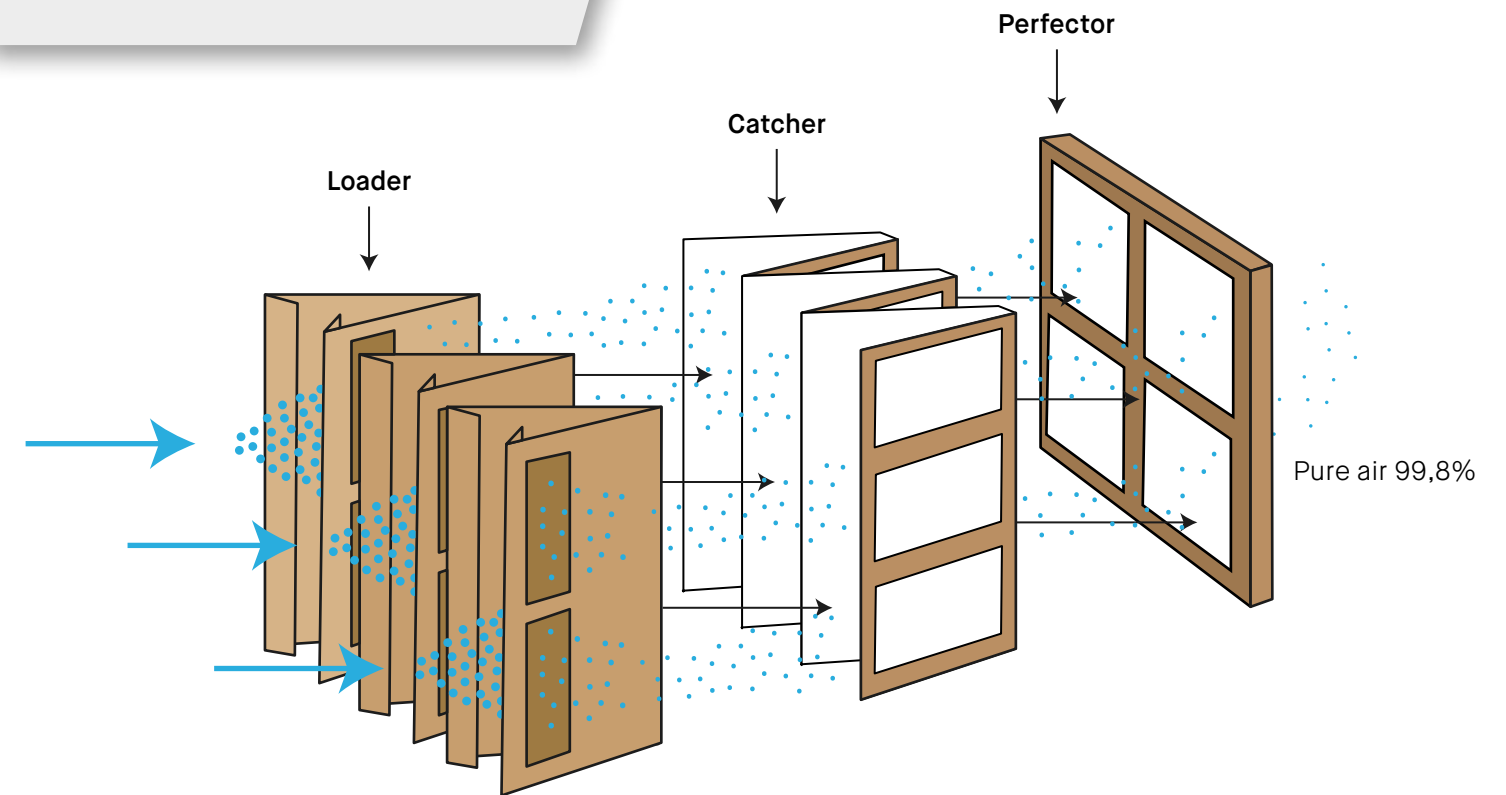


✓ Charge : Over 30kg

✓ Efficiency : 99,45%



Technology



Our Technology

Loader:

At first, the Loader will filter 74% of the paint.

Catcher:

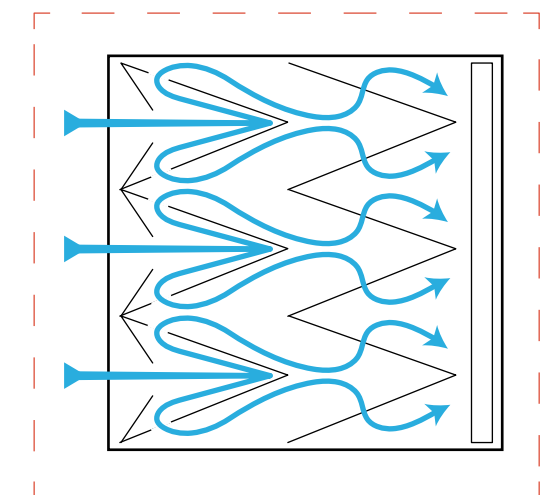
Then, the Catcher will stop 24% of the extra paint thanks to its polyester filter.

Perfector:

And finally, the Perfector will sharp the last particles to have a 99,8% pure air.

uCube 500 System

Airflow



UCUBE 300

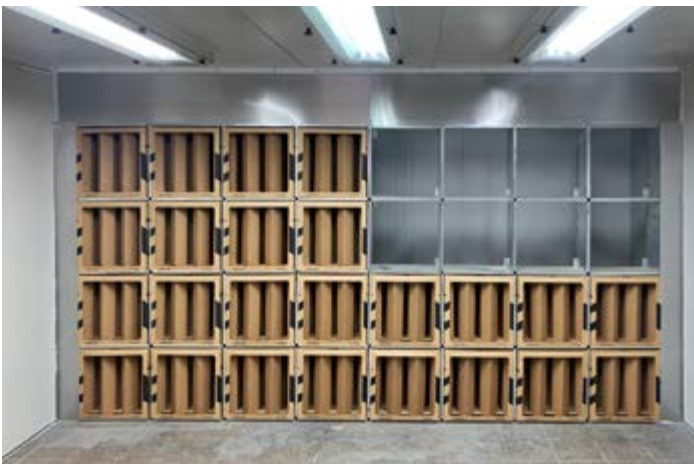
Dimensions

Lenght	Height	Width
48,7 cm	48,7 cm	29,7 cm
19 11/64 in	19 11/64 in	11 16/16 in

Empty: 1399g
Recommended Air Velocity: 0,50 to 2,00
Initial Pressure Drop: 20 to 130 dependant on the air velocity
Max Pressure Drop: 800 pa.



Spraying room



UCUBE 500

Dimensions

Lenght	Height	Width
48,7 cm	48,7 cm	49,7 cm
19 11/64 in	19 11/64 in	19 9/16 in

Empty: 2247g
Recommended Air Velocity: 0,50 to 2,00
Initial Pressure Drop: 20 to 130 dependant on the air velocity
Max Pressure Drop: 800 pa.



Efas Protect, Protective Equipment

Efas Protect is a protective brand supporting industrial companies by ensuring their safety with a wide range of protective equipment: Personal Protective Equipment and Surfaces Protection.

We are concerned to provide secure equipment that meets legal protection standards. We also desire to include this security approach in a sustainable process allowing to perpetuate our prevention efforts and to ensure perfect security for operators in the long term.



Protective Masks

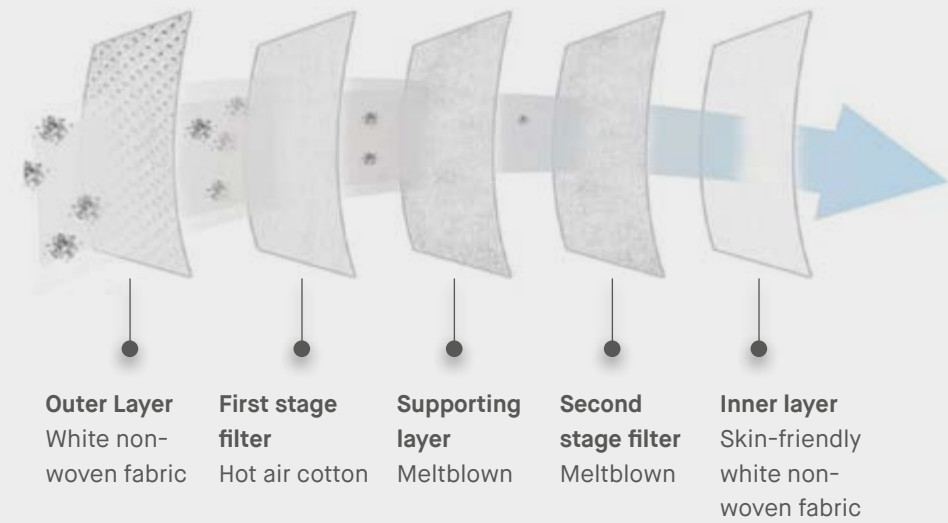
Different environments require different levels of protection.

With EFAS PROTECT get the ideal disposable protective mask to ensure perfect safety for your staff! We offer two lines of high-quality masks suitable with industrial environments.

- ✓ Protect against dust and mist in a wide range of industrial applications and other hazardous environments.
- ✓ Have a minimum filtration capacity of 95%.
- ✓ Filters particles as small as 0.3 micron.
- ✓ Easy to store thanks to its foldable design and individual packaging.

5 ply, made for comfort and protection

We make our masks with the most comfortable, effective materials possible.



MASK UNVALVED SA1500

What is the difference between valved and unvalved mask?

Unvalved mask

- Easy to breath
- Soft and lightweight
- Lower unit cost

Valved mask

- Soft and lightweight
- Reduces exhalation effort
- Cooler to wear
- Avoid condensation and vaporisation on glasses



50/pack	White
Unvalved	Certified FFP2, KN95

MASK VALVED SA1510

Our masks are packaged individually



30/pack	White
Valved	Certified FFP2, KN95

Easy Kleen

With Easy Kleen,
keep your spray booth clean!

Our Easy Kleen paper provides an economical approach to maintain a clean, safe floor and wall surfaces against accumulated deposits of paint and overspray.

Benefits

Easy installation and removal

Easy Kleen is a simple coiled paper roll easy to unroll and fix.

Can be used anywhere

Used in spray finishing operations, dip coating applications, clean rooms, mixing rooms, laminar flow hoods, laboratories, hospitals, and all other industrial environments.

Save labor, time and money

More efficient and cost effective than manually removing overspray deposits and residues from surfaces. Low porosity decreases the wicking effect found in most coverings, thus reducing additional cleanup.

Excellent durability

Lower caliper and higher tensile strength increase tear resistance providing a tough, durable paper that better withstands heavy use.

Ensure safety of your factory and staff

Excellent flame retardant (T461cm-00), approved by the Physical Properties Committee of TAPPI, improves the safeguarding of persons and property from hazards arising from fire.

Promotes booth illumination

Vivid bright white paper illuminates booth visibility reducing rejects by minimizing shadows.

Optimal packaging

Individually boxed to reduce damage in shipping and storage.



EASY KLEEN REGULAR



	SA08362	SA08422	SA08602	SA08722
Size	36" x 300'	42" x 300'	60" x 300'	72" x 300'
Rolls/Pallet	30	30	30	30

EASY KLEEN HEAVY



	SA10362	SA10422	SA10302	SA10722
Size	36" x 300'	42" x 300'	60" x 300'	72" x 300'
Rolls/Pallet	30	30	30	30



Tear MD/CD 150/165 lbs/in 27/29 kg/cm	Caliper 6.70 (mils)	Basis weight ± 3 80 (lbs/3000 ft2)
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Porosity 18 (sec/100cc)	Tensil MD/CD 45/24 gr force	Brightness (ISO) 84
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Traffic type Pedestrian	91.44 (linear meters)	300 (linear feet)
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Tear MD/CD 190/210 lbs/in 34/37 kg/cm	Caliper 8.60 (mils)	Basis weight ± 3 100 (lbs/3000 ft2)
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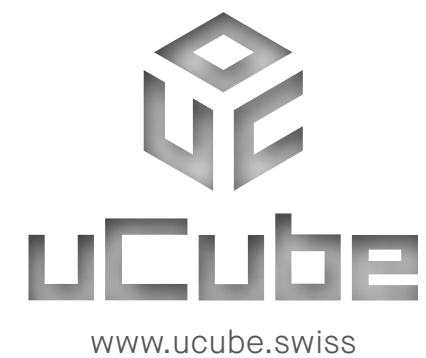
Porosity 18 (sec/100cc)	Tensil MD/CD 51/28 gr force	Brightness (ISO) 84
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Traffic type Pallet Jack	91.44 (linear meters)	300 (linear feet)
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Questions?

Visit the FAQ section on our websites.

For **quotes** and **orders**,
contact one of our representatives
located in your region.



AEREM LOCATIONS WORLDWIDE



AMERICAS



CANADA

5000 Rue Hickmore
Saint-Laurent, QC H4T 1K6
Tel: +1 514-375-7100
Customers.ame@aerem.com



USA

422 2nd Ave NW
Ardmore, OK 73401
Tel: +1 866 263 7323
Customers.ame@aerem.com

EUROPE



SWITZERLAND

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Customers.eur@aerem.com



POLAND

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PL - 70-895 Szczecin
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Customers.eur@aerem.com

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VIETNAM

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Thanh Industrial Zone
Long Thanh district, Dong Nai province
Tel: +84-251-352-6688
Customers.api@aerem.com



HONG-KONG

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Customers.api@aerem.com

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