

PAINT MIST ARRESTORS PAINT POCKETS

viledon®

SYNTHETIC. STABLE. LONG-LASTING.

APPLICATION

- high-quality filtration of the exhaust air from paint spray booths
- preferably used for paint mist separation in repair and paint-spray cabins with an exhaust air system



KEY DATA	Paint Pockets original	Paint Pockets green
Class to ISO 16890	ISO coarse 70%	ISO Coarse 65%
Initial pressure drop [Pa]	26	24
Recommended final pressure drop [Pa]	250	
Dust holding capacity (AC Fine / 200 Pa) [g]	2,800	2,600
Thermal stability [°C]	80	
Moisture resistance (rel. hum.) [%]	100	
Thickness approx. [mm]	30	25
Nominal media velocity [m/s]	1	
Paint mist arrestance efficiency up to (%)	>99,5	>99
Paint holding capacity [g/m²]	up to 30.000	up to 25.000
Weight per unit area approx. [g/m²]	500	440
Supplied as cut pieces/rolls [mm]		+ / +

MEDIA AND CONSTRUCTION CHARACTERISTICS

- 100 % synthetic raw materials.
- doubled filter area and increased filter absorption capacity of paint mist due to diamond-shaped, three-dimensional material structure.
- prevention of premature blocking of the surface by material structure.
- built-in mesh makes the mats stable and tear-resistant.

FEATURES AND PLUSES

- easy to dispose of and 100 % thermally recyclable.
- Paint Pockets original:
 - diamond-shaped surface structure increases efficiency in paint mist separation, this extends the service life of the downstream filter stages by up to 300 %.
 - extended service life by three to four times compared to glass paint separation mats.
- Paint Pockets green:
 - special, cost-optimized version for repair cabins with no downstream filters.
 - three-dimensional material structure enables longer service life and replacement intervals along with reliable compliance with prescribed emission limits (3 mg / m³).

The information or figures given are subject to tolerances due to normal production fluctuations. Our explicit written confirmation is required in each case for the correctness of the information. Subject to technical alterations. You will find instructions on how to handle and dispose of loaded filters in our information on product safety and eco-compatibility.

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www.freudenberg-filter.com

SAFETY INSTRUCTIONS

FOR HANDLING PAINT MIST ARRESTORS



Instructions for reducing the risk of self-ignition in the case of paint-loaded paint mist arrestors

The classification of paint mist arrestors as “very flame-retardant construction material” according to DIN 4102 applies only to the state of the material without paint loading. As soon as organic – and therefore flammable – (paint) material has been arrested in the filter, it is no longer possible for the filter manufacturer to predict how the filter will behave in the event of a fire.

The following precautions should be taken in order to reduce the risk of self-ignition (resulting from excessive residual solvent content):

1	The paint mist arrestor should not be removed directly after spray-painting, as there will still be a high proportion of solvent in the arrested paint particles (overspray). The paint mist arrestor should remain in the spray cabin at least until it is “dust-dry” with the airflow running.	
2	After removal, the paint-loaded paint mist arrestor should under no circumstances be placed in a closed container for intermediate storage → acute risk of explosion!	
3	In the period between removal and final disposal, the paint mist arrestor should be placed in intermediate storage. The method of intermediate storage should allow unimpeded air exchange and evaporation of the residual solvent. Direct exposure to sunlight should be avoided during intermediate storage, as the rate of evaporation may be greater than the rate at which the solvent can be wicked away → local accumulation → self-ignition .	
4	It is certainly conceivable that mixing different paint systems and using paints from different manufacturers could also facilitate self-ignition. We therefore recommend that you obtain the relevant safety instructions from the relevant paint manufacturer and comply with them meticulously.	

We would like to point out that even compliance with these instructions cannot entirely rule out the risk of self-ignition. Please therefore observe the relevant ordinances on dealing with hazardous substances.