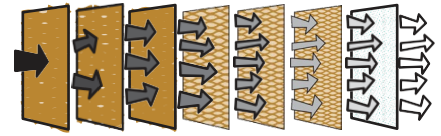
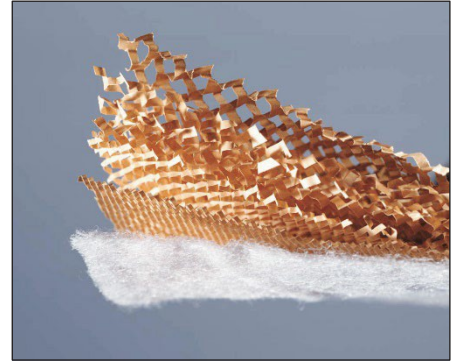


## CI PAINT FILTERS

CI Filters are available in a wide range of types and configurations for the filtration of different paints and other materials.

The filters are made from several layers of UL Class 2 tested material and function according to the baffle principle, whereby air passes through successive layers. Each of the layers is structured in such a way that the air changes direction and becomes turbulent, thus achieving the greatest possible contact between the filter surface and the paint particles to be captured.

Every layer has an increased density ensuring that the particles are collected deep down in the filter rather than clogging up in the surface area. This results in high absorptive capacity, low pressure drops, and a relatively small differential in air volume between new and full filters.



### Technical information for CI filters

Our CI filters have low initial pressure drops and hold large amounts of paint per square meter of filter surface.

### Drop of pressure over clean filter at different air speed:

Air speed [m/s]	Standard [Pa]	High capacity [Pa]	Eurosupra [Pa]
0,50	4	4	10 - 13
0,75	6 - 7	6 - 7	16 - 25
1,00	11 - 12	10 - 11	27 - 35
1,25	16 - 17	15 - 16	38 - 46
1,50	25 - 26	24 - 25	50 - 65
1,75	34 - 35	31 - 32	58 - 79

### Degree of separation and absorption capacity:

The table below shows the guidelines for the degree of separation and absorbency of our CI filters. The values may vary between different paint types and air speeds.

Filter type	Degree of separation %	Absorption in [kg/m <sup>2</sup> ] with 125 Pa
Standard	87 - 98	Up to 13
High capacity	87 - 98	Up to 13
High capacity 2M *)	87 - 98	Up to 13
Eurosupra I	97,5 - 99,9	Up to 9,6
Eurosupra II	96,5 - 99,5	Up to 10,5
Eurosupra High capacity	96,5 - 99,5	Up to 17
Eurosupra High capacity 2M *)	96,5 - 99,5	Up to 17
CI synthetic SL100PSG	95,0 - 99,5	Up to 10
CI synthetic SL103WLB	97,5 - 99,9	Up to 10
Synthetic filter F5	96,0 - 99,9	Up to 10

\*) For fine dusty paint material (2-layer mini mesh).

## CI filter on rolls



Our patented CI filters are available in several basic designs. The filters are delivered on a roll and adapted on site.

CI-filter **Standard** is made up of a smaller number of paper layers.

**High capacity** has more layers of paper than standard and can also have a layer of synthetic mat.

For the very high requirements of the degree of separation, our **Eurosuprafilter** is suitable, which in addition to the previous layers also has a synthetic filter that takes the majority of the remaining particles.

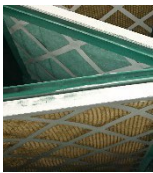
## CI filter in cubes



To increase the replacement interval in our dry filter boxes, we have developed a cube-shaped planar filter that enlarges the available filter surface and thus the lifetime of the filter.

**PC-pleat** can also achieve this with all our plane filters and is therefore very versatile.

## CI filter in cassettes



Our CI filters can also be delivered in cardboard cassettes. These filters are designed to easily fit into a frame, eliminating the need for a grid to hold the filter in place.

Additionally, we have used these to filter the air in low temperature ovens and flash-offs.

## CI synthetic filter in rolls or pads



A flat **synthetic filter** is often used as a second and third stage of filtration in an **exhaust** air system.

It can also be used as a **supply** air filter distributing the air and creating a laminar flow over a larger surface.

## Bag filter



**Bag filters** are used internally in ventilation systems.

They have a large filter surface and are available in a variety of filter classes and sizes.

They are manufactured from polyester.