

# Colback® Plus

Support with filtration capacity



**Colback Plus creates a unique product performance advantage for customers. Innovated to be the next step in Colback technology to provide unique value materials, Low & Bonar's latest nonwoven product development is also designed to meet increasingly demanding quality standards to reduce air pollution levels worldwide.**

## **Proven support media performance**

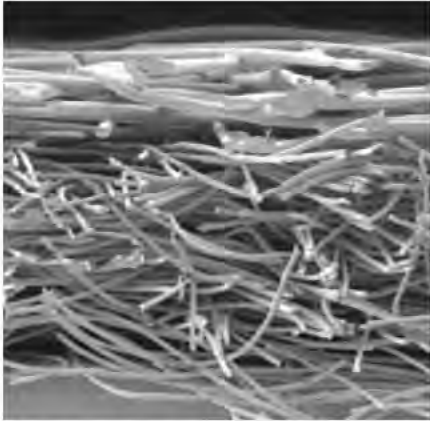
Colback Plus is a pleatable medium with a built-in filtration capacity layer for use as a carrier in the manufacturing of cabin air, room air and HVAC filters. In Colback Plus, the well-known performance characteristics of Colback nonwovens support media – ensuring low pressure drop and high pleat stiffness – are combined with a unique fine fiber technology leading to a unique filtration product with outstanding performance characteristics, creating new capabilities for manufacturing and added value to customers.

## **Colback Plus attributes**

- High air permeability
- High contribution to filtration efficiency
- High dust holding capacity
- High dimensional stability up to 100° C
- Pleatable, both rotary and knife
- Pleat heights 1 - 5 cm easily reached
- High stiffness (>2.0 mN)
- Fully incinerable
- Glue free
- No contribution to VOC, FOG

## Typical Colback Plus filtration properties

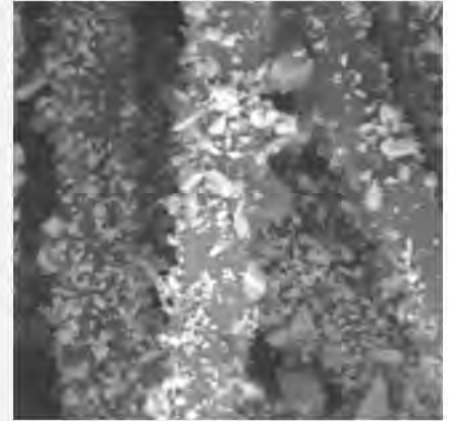
	Air permeability (l/m <sup>2</sup> .s @ 200 Pa)	Filtration Efficiency (0.3µ NaCl)	
		20 cm/s	5.3 cm/s
Colback Plus 30	2300	28	40
Colback Plus 40	2100	38	55
Colback Plus 60	1350	50	70



Cross section Colback Plus



Excellent pleatability



Dust collected by Colback Plus

### Colback Plus family

Colback Plus 30, 40 and 60

### Suggested applications

#### Cabin air filtration

In cabin air combi filters, Colback Plus is suitable as the first layer (support layer) due to the combination of high air permeability, extremely good pleatability and thermal stability.

#### Air filters for room air purifiers and HVAC systems

Colback Plus bonds very well to meltblowns, improving the stiffness of pocket filters or the pleatability of panel filters – this reducing pressure drop and increasing filter lifetime. Colback Plus can serve as stand alone prefilter or as a meltblown carrier layer to increase dust holding capacity.

#### Packaging

Colback Plus is available as palletized roll goods. Standard widths: 50, 100 and 160 cm and roll lengths up to 1200 m. For different roll dimensions, please contact our sales team.

### Benefits

- Extends filter life: the prefilter layer protects the actual fine filter layer from rapid clogging: slower pressure build-up, longer filter life
- Reduces the number of filters in a system: Colback Plus as a carrier provides the option to build one multilayer filter instead of two separate filters (one prefilter and one high efficiency filter)
- Colback Plus is a multifunctional product: use as carrier or as prefilter layer due to the unique combination of Colback technology and the unique fine fiber technology
- Due to its Colback technology backbone, Colback Plus:
  - delivers outstanding pleatability
  - improves dimensional stability of your filter up to 100°C
  - keeps the pressure drop in your filter low
  - does not contribute to VOC's or FOG

### Quality

The Quality Management Systems of Low & Bonar facilities have been approved to the ISO 9001 Quality Management System Standard. Certificates are available on request.

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