

# Rough filtration mats G2 – G4

<b>Applications</b> <ul style="list-style-type: none"> <li>For the rough dust filtration in aerial engineering devices of all kinds</li> <li><input type="checkbox"/> air conditioning and air handling systems</li> <li><input type="checkbox"/> prefiltration with high dust load and for fine filtration mats</li> <li><input type="checkbox"/> prefilter for the air in paint-spray and drying systems</li> </ul>	<b>Filter class EN779</b> <ul style="list-style-type: none"> <li>filter class <b>G2 (EU2)</b></li> <li>filter class <b>G3 (EU3)</b></li> <li>filter class <b>G4 (EU4)</b></li> </ul>
<b>Material characteristics</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> tested according to EN779</li> <li><input type="checkbox"/> flame resistance according to DIN53438, F1</li> <li><input type="checkbox"/> humidity resistance up to 100% r. F.</li> <li><input type="checkbox"/> temperature resistance up to 100°C</li> </ul>	<b>Versions</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> standard rolls 20 or 40 x 2m</li> <li><input type="checkbox"/> precuts</li> <li><input type="checkbox"/> stamp pieces in all kinds of dimensions available</li> <li><input type="checkbox"/> also available as filter tube</li> </ul>



## High performance fleece

from shatterproof, synthetic polyester fibers.

## Progressive structure of depth

The full depth of the fleece can be used by the media consolidated to the pure downstream face for dust storage.

## Volz-rough-filtration-types

FL 100	grade G2	thickness approx. 5 mm
FL 120	grade G2	thickness approx. 8 mm
FL 150	grade G2	thickness approx. 10 mm
FL 200	grade G3	thickness approx. 20 mm
FL 220	grade G4	thickness approx. 22 mm
V 15/350	grade G4	thickness approx. 20 mm
V 15/400	grade G4	thickness approx. 20 mm
EA 30	grade G4	thickness approx. 30 mm
EA 40	grade G4	thickness approx. 40 mm
EA 50	grade G4	thickness approx. 50 mm

## Volz filter mats

Are available in several versions for the different operational areas in climate, ventilation and painting ranges.

## Environment and disposal

Volz filter mats are produced without chemical bonding agents and are therefore easy to dispose off (as far as no environmental harmful particles to be separated).

Volz rough filtration mats are conditionally regenerable.

## Own production

VOLZ – rough filtration mats are manufactured with most modern production plants and under continuous quality control.

PRE GF 120303 VE

VOLZ Luftfilter  
Robert-Bosch-Straße 25  
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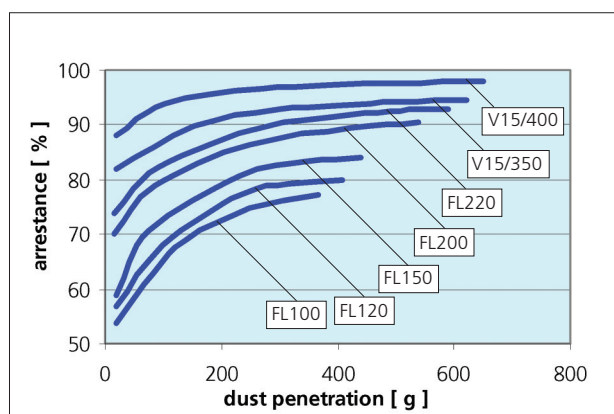
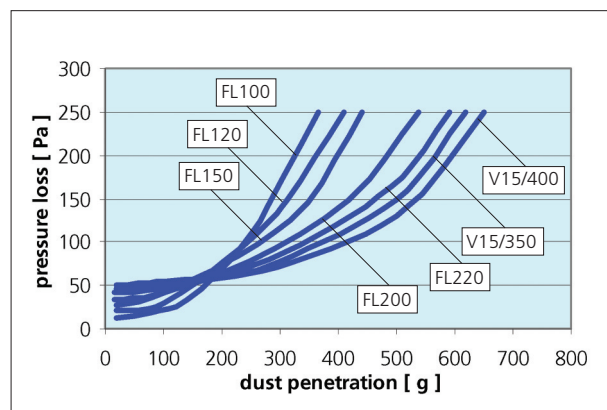
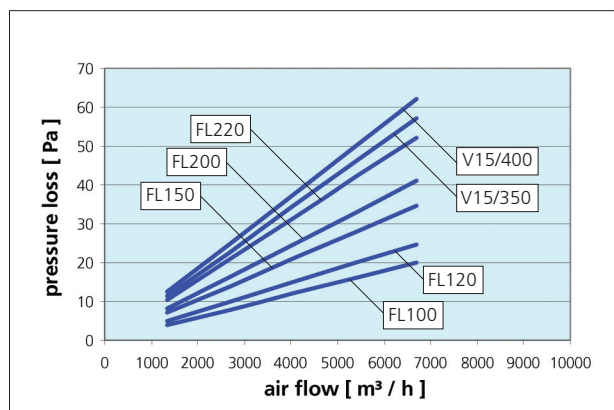
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**VOLZ**  
LUFTFILTER

# Rough filtration mats G2 – G4

## FL100, FL120, FL150, FL200, FL220, V15/350, V15/400

Filter technical test datas \*



specification	material thickness approx. mm	weight per sqm g / m <sup>2</sup>	rated air flow m <sup>3</sup> / h / m <sup>2</sup>	air velocity speed m / s	initial pressure loss Pa	middle arrestance %	dust holding capacity g / m <sup>2</sup>	final pressure loss Pa	filter class
FL 100	5	100	5400	1,5	16	70	370	250	G2
FL120	8	120	5400	1,5	18	75	390	250	G2
FL 150	10	150	5400	1,5	20	78	410	250	G2
FL 200	20	200	5400	1,5	23	89	550	250	G3
FL 220	22	220	5400	1,5	27	90	610	250	G4
V15 / 350	18	280	5400	1,5	46	92	630	250	G4
V15 / 400	22	350	5400	1,5	50	94	650	250	G4
special rough filtration mats									
EA 30	30	350	5400	1,5	50	95	680	250	G4
EA 40	40	400	5400	1,5	53	96	700	250	G4
EA 50	50	420	5400	1,5	55	96	730	250	G4

Indication:

tested according to EN779

\* With indicated test datas it gives average values with tolerances due to variations of the production.  
For the correct of the datas it will require the express, written confirmation in individual cases by Volz Luftfilter.

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