

CITY OF NEW YORK  
DEPARTMENT OF BUILDINGS

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use in accordance with the Report of Materials and Equipment Acceptance (MEA) Division.

Satish K. Babbar, R.A., Acting Commissioner

MEA 438-00-M  
Report of Material and Equipment Acceptance Division

Manufacturer - Fredenburg Nonwovens, 2975 Pembroke Road, Hopkinsville, Kentucky 42240.

Trade Name(s) - Viledon Filter.

Product - Air filters.

Pertinent Code Section(s) -27-777.

Prescribed Test(s) - 13-15 (UL900).

Laboratory - Underwriters Laboratories Inc.

Test Report(s) - UL file R11507, dated January 14, 2000, revised March 30, 2000.

Description - Class-1, dry type, disposable air filter unit designated MVFR-65, -75, -85 and -95. These units are made in pleated panel form and consist of four filter banks. The panels have various face dimensions and a maximum depth of 12 in. The filter panels are supported by extruded plastic framing and glued on the edges. The filter media consists of two layers of polyester and one layer of polycarbonate. The media has a maximum basic weight of 2008/m<sup>2</sup>.

Class 1 dry type, disposable air filter unit consisting of cut sheets/pads and self-supporting panels, designated "R-1 Filtermat". These units are made in various face dimensions to a maximum of 50 by 50 in. The units are constructed of dual layers of media (prefilter layer and final layer). The media is assembled between a steel wire frame and welded together on a Kiefel high frequency heat welding machine.

Class 1, dry type, disposable air filter unit consisting of cut sheets/pads, rolls or self-supporting panels, designated "R-2/4". These units are made in various forms: Cut sheets, rolls, or panels. The maximum size of the panels are 50 by 50. Units have a maximum thickness of 1 in. The filter panels are self-supporting by integral wire struts and welded on the edges. The filter media is made from two different layers (prefilter layer and final layer). The media is assembled between a square reinforcement steel frame and welded together on a Kiefel high frequency heat welding machine.

(The product covered by this section is a dry type, disposable air filter unit consisting of cut sheets/pads or rolls designated "LF2020" Class 1). These units are made in various face dimensions with a maximum thickness of 1/2 in. The filter media is made of 100 percent polyester fibers. The LF2020 media weighs between 270-340 g/m<sup>2</sup> and is 16-20 mm thick.

The product covered by this section is a dry type, disposable air filter unit consisting of cut sheets/pads, rolls or self-supporting panels, designated "PA60 G-10" (F5), "PA-5Micron", "PA560 G-10" (EU-5), PA560G-5DP. These units are made in various forms: cut sheets, rolls, or panels. The maximum size of the panels are 50 by 50 in by 1 in. The filter panels are self-supporting by integral wire struts and sewn on the edges.

Recommendation - That the above extended surface type air filters be accepted as conforming to the requirements for Class 1 filters, under the following conditions:

1. All air filters shall be kept free of excess dust and combustible material. Unit filters shall be renewed or cleaned when the resistance to air flow has increased to two times the original resistance. A suitable draft gage should be provided for the purpose. Draft gages of a type which will operate a warning light or produce an audible signal when excessive dust loads have accumulated, are recommend.
2. Replacement cartridge elements only may be installed in filters where the entire assembly has been previously qualified as Class 1, or in any holding frame of an existing filter constructed entirely of metal, to upgrade existing Class 2 filter to Class 1 equivalency.
3. All shipments and deliveries of such materials shall be provided with a certificate or label certifying that the materials shipped or delivered are equivalent to those tested and acceptable for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance 10/25/2000

Examined By Suzanne Brown