

Report No. 1.6/pos14/14

Hygienic Assessment of Ventilation Components – Textile Air Inlets

Expert Report No.: 140986, SZÚ/2614/2014
Client: **Příhoda s.r.o.**
Za radnicí 476, 539 01 Hlinsko

Used documents:

- 1) Technical documents available at www.prihoda.com
- 2) Expert's opinion of SZÚ No. ZŽP 19-372/05, EX 5207519 assessing the suitability of textile air distribution, namely in food industry in terms of microbiology and hygiene (for fabrics NHI, PLS, PMS, PMI, PLI)
- 3) Certificate No. 13 – 124 for fabrics PMI and PMI after 10 washing cycles at 40 °C – compliance with requirements of ČSN EN ISO 20 645 Textile fabrics – determining of antibacterial activity; issued by TZÚ s.p. Brno, certification body for product certification, 22nd August 2013
- 4) Certificate No. 13 – 173 for fabrics NMI and NMI after 10 washing cycles at 40 °C – compliance with requirements of ČSN EN ISO 20 645 Textile fabrics – determining of antibacterial activity; issued by TZÚ s.p. Brno, certification body for product certification, 22nd August 2013
- 5) Test Protocol No. CHZ 11/0171 – compliance with requirements of ČSN EN 14 119 Textile testing - evaluation of the action of microfungi, for fabric NMF; issued by TZÚ Brno, 6th April 2011
- 6) VDI 6022-1 Hygienische Anforderungen an Raumluftechnische Anlagen und Geräte

Product description:

The product consists of a line of pipes and outlets of different shapes and dimensions for air distribution made of **textile materials PMS, PMIre, PMI, PLS, NMT, NMS, NMR, NMI, NMF, NLW, NLI, NLF, NHE.**

Material composition of fabrics:

<i>Fabric identification</i>	<i>Material</i>
PMS, NMS, PMI, NMI, PLS, NLS, PLI, NLI, NMR	100% polyester
PMIre	100% recycled polyester
NLF	100% polyethylene
NMF	100% polyester, 2 PVC
NHE	100% glass fiber, 2x polyurethane
NLW	85% polyester, 15% nylon
NMT	90 % PVC, 10 % polyester

Textile fabrics are provided with an antibacterial treatment that withstands washing (as documented by certificates of TZÚ s.p. Brno). Their maintenance and cleaning are easy. With the exception of NHE, all fabrics may be washed in a washing machine; NHE needs to be dry or wet cleaned manually. With regards to the fact that the fabrics are made of so-called filaments, no particles are released into the air during their use – these fabrics may be used for air distribution in clean premises of class 4 in accordance with ČSN EN ISO 14644-1.

Conclusion:

Based on the presented documents we conclude that textile fabrics **PMS, PMire, PMI, PLS, NMT, NMS, NMR, NMI, NMF, NLW, NLW, NLI, NLF, NHE** and final products made from these fabrics, i.e. **textile distributions and outlets for air distribution, manufactured by Příhoda s.r.o., Hlinsko**

meet the hygienic requirements

in terms of their material, construction and operation, and may be used for air treatment of all types of environments, including food industry operations.

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