

### Formation of deposits on ventilation openings

Dear Sir or Madam,

Mostly at the change of seasons, sporadic coatings can be observed on ventilation openings of ventilation systems. Often this only occurs on a few units or only on one side of the façade (mostly north or east facing). The possible causes are very diverse. Triggers are usually a mild (outdoor) climate with high humidity and temperatures between 8 - 15°C as well as high humidity indoors (spring or autumn) or directly after a move-in (building dampness).

Visible, mostly black, red or orange discolourations, which occur on ventilation components themselves or on the façade around the inlets and outlets, can appear in areas or as delimited spots or raised formations. There are other different types of mould and bacteria, which have different manifestations and may also differ from the forms described here. A large-scale infestation is often accompanied by a "musty" or "earthy" smell.

In addition, it can often be observed in the case of an infestation that wooden structures or surfaces unaffected by ventilation equipment are infested. In most cases, this indicates possible contamination by pollen or spores.



**Basically, it should be noted that all materials used by us can neither mould themselves nor provide a breeding ground for mould or bacteria.**

Mould and bacteria infestation can only be caused by contamination on the surfaces.

Regular and thorough cleaning of these components is therefore essential and the best measure to prevent unhygienic conditions. Please enquire for information on maintenance/cleaning of the installed devices and components. Further information is also available at [www.lunos.de](http://www.lunos.de).

If you notice mould or bacteria infestation, please contact a specialist to clarify the cause and further measures. Immediately shutting down and closing the ventilation units prevents possible spread and should be done as soon as possible. Subsequent cleaning of the affected components is necessary in most cases.

Further information on coatings or special "mould effects" such as "magic dust", "fogging" or black dust can be found on the Internet.

Your team from LUNOS Lüftungstechnik GmbH