

NOISE-DAMPENERS

These requirements apply to noise-dampeners that are mainly intended for use as terminal devices in public buildings, as well as shop, office and residential buildings. The noise-dampeners to be classified should comply with the requirements set out in RakMK (fire, noise-dampening) and their noise-dampening features should be known.

Tests to be carried out on noise-dampeners and associated requirements

The tests and requirements to be carried out on noise-dampeners that are produced from different materials are as follows:

Product Noise-dampener	Oiliness of the materials that are used	Fibre tests > 20 µm fibres	Emissions of insulation that is used	Emission tests for the noise-dampener
Products insulated using mineral wool with a metal cover	< 0.3 g/m ²	Vibration test < 10 fibres/m ³ Brushing test < 0.1 fibres/m ³	Fulfils the M1 emission classification requirements for building materials	Not mandatory. The oiliness test can be replaced by testing the noise-dampener in accordance with emissions tests for building materials in such a way that the external surface of the noise-dampener is not covered. The M1 emission classification is required.
Products insulated using mineral wool with a plastic cover		Vibration test < 10 fibres/m ³ Brushing test < 0.1 fibres/m ³	Fulfils the M1 emission classification requirements for building materials	Fulfils the requirements of emission class M1 for building materials, measured with the external surface covered
Plastic-insulated product with a plastic cover			Fulfils the M1 emission classification requirements for building materials	Fulfils the requirements of emission class M1 for building materials, measured with the external surface covered
Plastic-insulated product with a metal cover	< 0.3 g/m ²		Fulfils the M1 emission classification requirements for building materials	Not mandatory. The oiliness test can be replaced by testing the noise-dampener in accordance with emissions tests for building materials in such a way that the external surface of the noise-dampener is not covered. The M1 emission classification is required.

In addition to the measurable requirements, products must fulfil the following special requirements (see [the application form](#))

- The products fulfil the requirements set out in RakMK (fire, noise-dampening)
- The noise-dampening properties of the product are known
- No labels or similar items are affixed to the internal surfaces of products
- The technical noise-related features, usage and cleaning instructions of the noise-dampener, along with the nominal air flow and any applicable usage restrictions, are available with the product as well as separately.

- The products fulfil the requirements of Section 3.2.2.1 of the Internal Climate Classification
- Classified products are marked in such a way that they can be easily distinguished from unclassified supplies. The marking can withstand normal transportation, storage and handling on construction sites.
- The products are protected from becoming dirty on inside during storage at the factory and transportation in a manner that enables them to withstand the prevailing conditions during transportation and on construction sites. Product-specific transportation, storage, installation and servicing instructions are issued and the instructions cover essential matters related to cleanliness.