CLAIMS

1. A heat transport material with a flow resistance of 60 Pa*s/m to 400 Pa*s/m, preferably 100 Pa*s/m to 300 Pa*s/m, further preferably 120 Pa*s/m to 250 Pa*s/m, having a textile fabric and a thermally conductive coating that contains graphite, wherein the graphite contained is present in a proportion of 5% to 50% by weight with regard to the total weight of the heat transport material and wherein the proportion of graphite with regard to the thermally conductive coating is higher than 50% by weight.

2. The heat transport material according to claim 1, characterized in that the thermally conductive coating contains a polymer binding agent and a proportion of the polymer binding agent in the thermally conductive coating and/or between the thermally conductive coating and textile fabric is lower than 40% by weight.

3. The heat transport material according to any one or more of the preceding claims, characterized in that the textile fabric has fibers made from a hydrophilic fiber material.

4. The heat transport material according to any one or more of the preceding claims, characterized in that the thermally conductive coating exists in the form of a pattern on the textile fabric.

5. The heat transport material according to claim 4, characterized in that the pattern has at least partially continuous lines.

6. The heat transport material according to any one or more of the preceding claims, characterized in that the application weight of the thermally conductive coating is 1 to 50 g/m².

7. The heat transport material according to any one or more of the preceding claims, characterized in that the graphite exists in particle form with an average particle size of 0.5 to 10 µm.

8. The heat transport material according to any one or more of the preceding claims, characterized by a sound absorption coefficient, measured in an impedance tube at 1,600 Hz, of higher than 0.55.

9. The heat transport material according to any one or more of the preceding claims, characterized in that the textile fabric contains cellulose fibers with a proportion of at least 30% by weight, with regard to the total quantity of fiber material in the textile fabric.

10. The heat transport material according to any one or more of the preceding claims, characterized in that the textile fabric contains glass fibers with a proportion of 5% to 80% by weight, with regard to the total quantity of fiber material in the textile fabric.

11. The heat transport material according to any one or more of the preceding claims, characterized in that the textile fabric is a wet-laid non-woven fabric or a carded non-woven fabric.

12. The heat transport material according to any one or more of the preceding claims, characterized by a weight per unit area of 20 to 100 g/m² and/or a thickness of 0.1 to 0.5 mm and/or an air permeability of 100 to 3,000 l/m²/s.

13. The heat transport material according to any one or more of the preceding claims, characterized in that it has a hot-melt adhesive in the form of a preferably discontinuous adhesive compound coating.

14. An application of a heat transport material according to any one or more of the preceding claims for heat transport and simultaneous sound absorption in ceiling and/or wall elements, preferably comprising a frame that can be fastened onto the ceiling and/or the wall and has a base in which a heating and/or cooling element is arranged.