

# aeroTHERM data sheet

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## Product description

Thermal insulation aeroTHERM combines modern insulators and provides maximum insulation effect in an extremely thin layer allowing new construction solutions.

## Product description

|                                      |   |                      |
|--------------------------------------|---|----------------------|
| Form of material                     | Water-based paste   |                      |
| Function                             | Heat reflection, thermal insulation                                 |                      |
| Composition                          | 3M glass microspheres, aerogel, co-polymer based binders, additives |                      |
| Insulators                           | 3M glass microspheres containing rarefied – partial vacuum, aerogel |                      |
| Application thickness                | 1 mm  |                      |
| Thermal conductivity $\lambda$       | 0.047 W/mK  | ČSN EN 12667 : 2001  |
| Resistance to heat after application | - 40 °C / + 15 0 °C   |                      |
| Adhesion                             | 0.8 MPa   | ČSN EN 1542          |
| Water vapour permeability            | 117.21 g/m <sup>2</sup> d   | ČSN EN ISO 7783-2    |
| Diffusion layer equivalent $s_d$     | 0.19 m  | ČSN EN ISO 7783-2    |
| 1mm layer surface weight             | 0.3 kg/m <sup>2</sup>   |                      |
| Odours - sensory evaluation          | 0   | ČSN EN 1230-1        |
| Fire Characteristics                 | A2 - s1, d0   | ČSN EN 13501-1: 2007 |
| Fire Index of Spread $i_s$           | 0 mm/min  | ČSN 73 0863          |
| Minimum lifetime                     | 15 years (it is strictly needed to follow work procedure)           |                      |

aeroTHERM offers wide range of use

It is applied inside the buildings on walls, ceilings, floors, under floor rating systems and in attic rooms. It can be used in residential houses, recreation facilities, production and storage premises, in hospitals, schools and historic buildings. aeroTHERM does not change interior appearance of buildings whereas it significantly enhances quality of their use.

In industry, aeroTHERM is an excellent thermal insulation for industrial appliances. It creates energy savings and enhances security and hygiene of work.

## Producer

SPANIEL GROUP, a.s., Na Spravedlnosti 1533, Pardubice, 530 02, Czech Republic, IČ: 287 81 481