

# ISO 6334:2023-12 (E)

## Thermal insulation products for building equipment and industrial installations - Expanded perlite products - Specification

---

<b>Contents</b>	<b>Page</b>
<b>Foreword</b> .....	<b>iv</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms, definitions, symbols, units and abbreviated terms</b> .....	<b>3</b>
3.1 Terms and definitions.....	3
3.2 Symbols, units and abbreviated terms.....	3
3.2.1 Symbols and units.....	3
3.2.2 Abbreviated terms for declared properties.....	4
3.2.3 Abbreviated terms.....	4
<b>4 Requirements</b> .....	<b>4</b>
4.1 General.....	4
4.2 For all applications.....	4
4.2.1 Thermal conductivity.....	4
4.2.2 Dimensions and tolerances.....	5
4.2.3 Dimensional stability.....	5
4.2.4 Fire properties.....	5
4.2.5 Durability characteristics.....	5
4.3 For specific applications.....	6
4.3.1 General.....	6
4.3.2 Maximum service temperature (ST).....	6
4.3.3 Compressive stress or strength.....	6
4.3.4 Trace quantities of water-soluble ions and the pH-value.....	7
4.3.5 Water vapour diffusion resistance.....	7
4.3.6 Short-term water absorption by partial immersion.....	7
<b>5 Test methods</b> .....	<b>7</b>
5.1 Sampling.....	7
5.2 Conditioning.....	7
5.3 Testing.....	8
5.3.1 General.....	8
5.3.2 Thermal conductivity.....	9
5.3.3 Maximum service temperature (ST).....	9
5.3.4 Fire properties.....	9
<b>6 Designation code</b> .....	<b>10</b>
<b>7 Evaluation of conformity</b> .....	<b>10</b>
<b>8 Marking and labelling</b> .....	<b>11</b>
<b>Annex A (normative) Factory production control</b> .....	<b>12</b>
<b>Annex B (informative) Additional properties</b> .....	<b>13</b>
<b>Annex C (informative) Preparation of the test specimens to measure thermal conductivity</b> .....	<b>15</b>
<b>Bibliography</b> .....	<b>16</b>