

# DIN EN ISO 12628:2023-03 (E)

## Thermal insulating products for building equipment and industrial installations - Determination of dimensions, squareness and linearity of preformed pipe insulation (ISO 12628:2022)

---

| <b>Contents</b>   |  | <b>Page</b> |
|---|--|-------------|
| <b>European foreword</b> .....  |  | <b>3</b>    |
| <b>Foreword</b> .....   |  | <b>4</b>    |
| <b>1 Scope</b> .....  |  | <b>5</b>    |
| <b>2 Normative references</b> .....   |  | <b>5</b>    |
| <b>3 Terms and definitions</b> .....  |  | <b>5</b>    |
| <b>4 Principle</b> .....  |  | <b>8</b>    |
| <b>5 Apparatus</b> .....  |  | <b>8</b>    |
| 5.1 For circumference, outside and inside diameter and thickness .....                        |  | 8           |
| 5.2 For length .....  |  | 8           |
| 5.3 For deviation from squareness .....   |  | 8           |
| 5.4 For deviation from linearity .....  |  | 8           |
| 5.5 For circular segment chord .....  |  | 9           |
| <b>6 Test specimens</b> .....   |  | <b>10</b>   |
| 6.1 Dimensions of test specimens .....  |  | 10          |
| 6.2 Number of test specimens .....  |  | 11          |
| 6.3 Conditioning of test specimens .....  |  | 11          |
| <b>7 Procedure</b> .....  |  | <b>11</b>   |
| 7.1 Test conditions .....   |  | 11          |
| 7.2 Test procedure .....  |  | 11          |
| 7.2.1 General .....   |  | 11          |
| 7.2.2 Circumference — Outside diameter, inside diameter, wall thickness, inner<br>chord ..... |  | 12          |
| 7.2.3 Length .....  |  | 13          |
| 7.2.4 Deviation from squareness .....   |  | 13          |
| 7.2.5 Deviation from linearity .....  |  | 13          |
| <b>8 Calculation and expression of results</b> .....  |  | <b>13</b>   |
| 8.1 Outside diameter and inside diameter .....  |  | 13          |
| 8.2 Thickness .....   |  | 13          |
| 8.3 Thickness uniformity .....  |  | 13          |
| 8.4 Length .....  |  | 14          |
| 8.5 Deviation from squareness .....   |  | 14          |
| 8.6 Deviation from linearity .....  |  | 14          |
| <b>9 Accuracy of measurement</b> .....  |  | <b>14</b>   |
| <b>10 Test report</b> .....   |  | <b>14</b>   |