

# ISO 12628:2022-08 (E)

## Thermal insulating products for building equipment and industrial installations - Determination of dimensions, squareness and linearity of preformed pipe insulation

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