

Plastic Pipes, Insulated

| Construction | Thickness [mm] | Configuration | Max. Ø [mm] | Insulation type |
|--------------------------|----------------|----------------|-------------|-----------------------|
| Rigid and flexible walls | ≥ 100 | Straight pipes | Ø 110 | Elastomer (9 - 32 mm) |
| Rigid floors | ≥ 150 | | | |

Usage Table for Plastic Pipes with Insulation (Armaflex, Kaiflex, e.g.)

| Plastic pipe Outer Ø (mm) | Penetration with insulation 9 mm | | Penetration with insulation 13 mm | | Penetration with insulation 19 mm | | Penetration with insulation 32 mm | |
|------------------------------|-------------------------------------|---------------|--------------------------------------|---------------|--------------------------------------|---------------|--------------------------------------|---------------|
| | Outer Ø (mm) | Segments (pc) | Outer Ø (mm) | Segments (pc) | Outer Ø (mm) | Segments (pc) | Outer Ø (mm) | Segments (pc) |
| 16 | 34.0 | 15 | 42.0 | 16 | 54.0 | 19 | 80.0 | 24 |
| 25 | 43.0 | 17 | 51.0 | 18 | 63.0 | 21 | 89.0 | 26 |
| 32 | 50.0 | 18 | 58.0 | 20 | 70.0 | 22 | 96.0 | 28 |
| 40 | 58.0 | 20 | 66.0 | 21 | 78.0 | 24 | 104.0 | 29 |
| 50 | 68.0 | 22 | 76.0 | 23 | 88.0 | 26 | 114.0 | 31 |
| 56 | 74.0 | 23 | 82.0 | 25 | 94.0 | 27 | 120.0 | 33 |
| 63 | 81.0 | 25 | 89.0 | 26 | 101.0 | 29 | 127.0 | 33 |
| 70 | 88.0 | 26 | 96.0 | 28 | 108.0 | 30 | 134.0 | 34 |
| 75 | 93.0 | 27 | 101.0 | 29 | 113.0 | 31 | 139.0 | 35 |
| 80 | 98.0 | 28 | 106.0 | 30 | 118.0 | 32 | 144.0 | 36 |
| 90 | 108.0 | 30 | 116.0 | 32 | 128.0 | 33 | 154.0 | 39 |
| 100 | 118.0 | 32 | 126.0 | 33 | 138.0 | 35 | 164.0 | 41 |
| 110 | 128.0 | 33 | 136.0 | 35 | 148.0 | 37 | 174.0 | 43 |
| 125 | 143.0 | 36 | 151.0 | 38 | 163.0 | 40 | 189.0 | 46 |
| 140 | 158.0 | 39 | 166.0 | 41 | 178.0 | 44 | 204.0 | 49 |
| 160 | 178.0 | 44 | 186.0 | 45 | 198.0 | 48 | 224.0 | 53 |

