

## TERM AL/ISO PIPE

HOSES › Flexible pipes for ventilation or cold air extraction

Super flexible civil and industrial air conditioning pipe made with multilayer aluminum laminate wall - polyester insulation - internal aluminum laminate.

Built-in harmonic steel wire spiral.

Thermal insulation in polyester fiber thickness 25mm (16 Kg/m<sup>3</sup>) thickness 50mm on request

External protection in aluminised polyolefin film (flame retardant)

The strength of the polyester fiber prevents the dispersion of the microfibrils during the passage of air.

Standard 10 meter pack

Production diameters: from 82 to 630 mm

Operating temperature: -30° to 140° (peaks of 180°)

Radius of curvature: 0.80 > 1.50 x the diameter

Air speed: max 32 m/sec

Pressure: maximum approx. 250 mm

Thermal resistance at 20°C: R=0.58 m<sup>2</sup> K/W (UNI EN 12664:2002)



[Mastertubi.it/q?1139](http://Mastertubi.it/q?1139)

**APPLICATIONS:** Air conditioning, ventilation.

### REACTION TO FIRE

ITALIAN CLASS: Class 1 Ministerial Decree 04/26/84 Approval no.: RE1205C20D100008

FRENCH CLASS: Class M1 (NF P92-507:2004)

EUROPEAN CLASS:

- Class B-s1.d0 (EN 13823:2010) FOR INTERNAL PIPING
- Class B-s1.d0 (EN 13501:12009) FOR STEAM PROTECTION
- Class B-s2.d0 (EN 13501-12009) FOR THERMAL INSULATING MAT
- MED/3, 18f (2014/90/EU) Roofing materials and floor coverings with limited flame propagation capacity

## GREEN BUILDING

It contributes to obtaining credits from the major international building sustainability rating systems:

- **LEED** : IP, EA, MR
- **WELL** : MATERIALS, COMMUNITY
- **BREEAM** : MAN, ENE, WST



SPEED'

SPEED'

| DIAMETERS | OF THE AIR<br>8m/s |                              | OF THE AIR<br>8m/s |                              |
|-----------|--------------------|------------------------------|--------------------|------------------------------|
|           | CAPACITY<br>m3/h   | LOSS<br>FROM<br>LOAD<br>Pa/m | CAPACITY<br>m3/m   | LOSS<br>FROM<br>LOAD<br>Pa/m |
| 82        | 152                | 19                           | 190                | 31                           |
| 102       | 250                | 15                           | 333                | 24                           |
| 127       | 383                | 12                           | 368                | 18                           |
| 160       | 575                | 8                            | 773                | 14                           |
| 203       | 900                | 7                            | 1151               | 11                           |
| 254       | 1445               | 5                            | 1843               | 8                            |
| 318       | 2278               | 4                            | 3105               | 6                            |
| 356       | 3058               | 3                            | 3850               | 5                            |
| 406       | 3845               | 3                            | 4590               | 4                            |
| 508       | 5111               | 2                            | 8223               | 3                            |