



**Roll with aluminium vapour barrier. Insulation of pitched roofs and ducts.**



## TI 312 RA

Lambda ( $\lambda$ ) = 0,040 W/(m.K)



### Applications and solutions: Thermal and acoustic insulation of pitched roofs and ducts.

- As a first or second layer in pitched roofs
- On the floor of the loft alone, or as a second layer
- Air ducts

### Advantages:

- Aluminium vapour barrier
- Very good resistance to humidity
- Elasticity and sealing

### Characteristics

|                              | Performance | Characteristic | Units                   |
|------------------------------|-------------|----------------|-------------------------|
| Thermal conductivity         | 0,040       | $\lambda$      | W/(m.K)                 |
| Reaction to fire             | C           | Euroclasse     | –                       |
| Resistance to water vapour   | 9           | Z              | m <sup>2</sup> .h.Pa/mg |
| Long term water absorption   | –           | WL(P)          | kg/m <sup>2</sup> /28 j |
| Short term water absorption  | –           | WS             | kg/m <sup>2</sup> /24 h |
| Thickness tolerance          | T2          | T              | –                       |
| Resistance to passage of air | –           | AF             | kPa.s/m <sup>2</sup>    |

### Certificates

- Reaction to fire: Euroclass C
- DoP G4248GPCPR Available at: [www.knaufinsulation.gr](http://www.knaufinsulation.gr)
- CE : MW-EN 13162-T2-Z9

### Insulation and dimensions

| Thickness mm | R <sub>s</sub> (m <sup>2</sup> KW) | Width mm | Length mm | Rolls/ package | m <sup>2</sup> / package | Rolls/ pallet | m <sup>2</sup> / pallet | KI code |
|--------------|------------------------------------|----------|-----------|----------------|--------------------------|---------------|-------------------------|---------|
| 50           | 1,25                               | 1200     | 15000     | 1              | 18,00                    | 24            | 432,00                  | 2410694 |
| 100          | 2,50                               | 1200     | 8500      | 1              | 10,20                    | 24            | 244,80                  | 2403623 |
| 120          | 3,00                               | 1200     | 7000      | 1              | 8,40                     | 24            | 201,60                  | 2403624 |
| 160          | 4,00                               | 1200     | 5500      | 1              | 6,60                     | 24            | 158,40                  | 2403628 |
| 200          | 5,00                               | 1200     | 4500      | 1              | 5,40                     | 24            | 129,60                  | 2403630 |
| 240          | 6,00                               | 1200     | 3500      | 5              | 4,20                     | 24            | 100,80                  | 2403631 |

The 240mm thickness permits the realization of very low energy consumption buildings

