

# FIRETIGHT® FIRETAPE

A self adhesive tape that creates a fire-resistant and airtight seal between (prefabricated) building components.



- ✓ Extreme high fire resistance, 60 minutes fire resistant
- ✓ Ensures an airtightness of the combined construction
- ✓ Reduces contact noise
- ✓ Simple, quick and reliable installation
- ✓ Tested at Peutz laboratory for fire safety
- ✓ Highly durable seal, no degradation in performance
- ✓ Ready without waste, easy to separate in case of demolition
- ✓ Applicable to variable cavity widths
- ✓ Used PE-foil is insensitive to moisture



## FIRETAPE

With the fire-resistant tape from FIRETIGHT®, connections between building components (10 - 30mm) can be sealed to be fire-resistant, thermally insulated, and airtight.

The patented tape is supplied as a vacuum-compressed strip of mineral wool, packaged in a vapor-resistant PE foil with added strips of intumescent tape.

After releasing the vacuum, the tape is clamped into the gap: the wool expands and completely and firmly fills the entire gap between the building components.



## FIRE RESISTANT CONNECTIONS

FIRETIGHT® Firetape can be used for fire-resistant sealing of joints with timber frame/concrete elements or other prefabricated building components, such as:

- Sealing of prefabricated sandwich panels
- Sealing between roof elements
- Connections of roof elements at party walls
- Connections of facade elements to the structural frame
- Other joints between building components

### Fire Resistance

FIRETIGHT® Firetape has been tested according to EN 13501-2:2016 and has a fire resistance of at least 60 minutes (EI 60, classified according to EN 1366-4:2021). Additionally, Firetape contributes to a high smoke resistance of the construction\*. The mineral wool used FIRETIGHT® Firetape has the highest fireclass (A1). The foil is flame retardant.

### Airtightness

Firetape has optimal airtightness of class 4 (EN 12207). The tape is ideal for sealing air leaks in variable cavity widths, as often found in prefabricated buildings. It features a thick foil that is resistant to moisture. Firetight Firetape can accommodate the expansion and contraction of building components, resulting in a long-lasting and durable airtightness of the construction.

### Soundproofing

Firetape has a sound-insulating effect, which significantly contributes to the acoustic comfort inside the home. Installing Firetape in a 20mm cavity results in a noise reduction of up to 28 dB (according to NEN-EN-ISO 717-1:2021).

*\*An Sa or S200 classification cannot be issued because the application does not meet an European criteria. In other words, the smoke permeability has been tested according to EN 1634-3:2004 + C1:2007, but since no standard is currently available for this application, the test only provides insight into the degree of smoke permeability and cannot issue a classification.*

## DIMENSIONS

For an airtight seal, the mineral wool must be sufficiently thick to effectively seal the gap. Firetape has a sufficient excess for this purpose.

Firetape is available in various lengths.

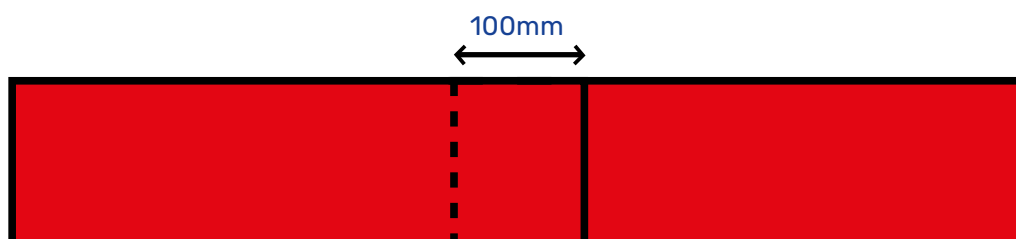


Length	Width	Gap	Thickness vaccumated
1.200 mm	60 mm	10 - 30 mm	10 mm
2.400 mm	60 mm	10 - 30 mm	10 mm
3.000 mm	60 mm	10 - 30 mm	10 mm
6.000 mm	60 mm	10 - 30 mm	10 mm

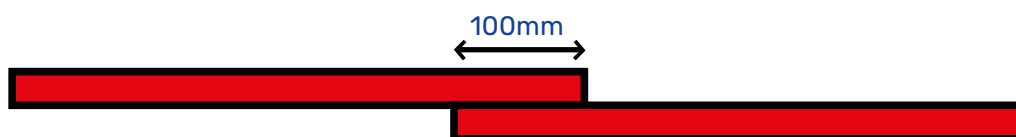
For gaps larger than 30mm, we recommend the **FIRETIGHT® Fire Stop**.

## INSTALLATION

1. Firetape is equipped with an adhesive strip and is easily attached in its compressed form to the construction or building element, which can be done in the factory.
2. When transitioning to a new roll, an overlap of at least 100mm must be maintained.
3. After placing the second building element against the Firetape, the tape must be punctured to expand. This makes the space between the two elements airtight.
4. After puncturing, Firetape will immediately begin to expand and will secure itself within a few seconds. Firetape fully expands after approximately 24 hours. This ensures a class 4 seal, as the mineral wool continues to expand until the gap is completely filled.



Top view, installation of Firetape with overlap



Side view, installation of Firetape with overlap