

FIRETIGHT[®]
CONTROLS FIRE

FIRETIGHT[®]
INSTALLATION
MANUAL

&
STORAGE and PROCESSING
INSTRUCTIONS



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1. Timely Processing:

Timely processing of FIRETIGHT® products is essential to ensure their optimal performance and to mitigate potential issues associated with weather-related factors. The following considerations should be taken into account when planning the processing schedule:*

1.1 Weather Sensitivity:

- FIRETIGHT® is sensitive to environmental conditions, particularly temperature and humidity. It can expand or contract based on the prevailing weather. To ensure consistent quality and performance, process the product within 1 week of delivery.

1.2 Temperature Fluctuations:

- Rapid changes in temperature can impact the dimensions and properties of FIRETIGHT®. High temperatures can cause expansion, while low temperatures can lead to contraction. For this reason, processing FIRETIGHT® in a controlled environment is crucial.

1.3 Humidity Management:

- Humidity levels can affect the moisture content of FIRETIGHT®. Maintaining a stable humidity level in the storage and processing area is essential to prevent the product from absorbing or releasing moisture.

1.4 Quality Assurance:

- Processing FIRETIGHT® promptly ensures that the product meets the intended specifications and performance standards. Delayed processing can lead to deviations from these standards.

1.5 Preventing Deformation:

- If FIRETIGHT® is stored for extended periods without processing, it may experience deformation or irregularities in its dimensions, potentially impacting its suitability for specific applications.

1.6 Monitoring and Documentation:

- Regularly monitor the environmental conditions in the storage area and document any fluctuations or anomalies. Keeping a record of temperature and humidity levels can aid in quality control and problem prevention.

1.1 Emergency Processing:

- In cases of unforeseen delays, such as weather-related disruptions or other logistical challenges, prioritize processing FIRETIGHT® to avoid any potential issues related to prolonged storage.



Timely processing is not just a logistical consideration but a critical quality control measure. By adhering to this guideline, you can maintain the integrity and performance of FIRETIGHT® products, ensuring they meet the required standards and specifications for your applications.



FIRETIGHT® INSTALLATION MANUAL



SINGLE USE

FIRETIGHT®	JOINT WIDTH
Single use 	40 – 90 mm
double ure* 	90 - 160 mm

[Click here for the FIRETIGHT® DOUBLE USE](#)

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STEP 1 DEFINE NEEDS

FIRETIGHT® can be used in joints and seams with a width of 40 to 160 mm and a depth of 200 mm or more. The application of FIRETIGHT® is based on the joint width of your detail. Use FIRETIGHT® in a single or double manner based on your joint or seam width.

JOINT WIDTH	APPLICATION
40 – 90 mm	SINGLE FIRETIGHT®
90 – 160 mm	DOUBLE FIRETIGHT®

For a good fire protection, the thickness of the product is 1,5x the width of the joint or seam. Check if the width of the joint and the thickness of the FIRETIGHT® are according to advised guidelines before use. When the guidelines are followed, the FIRETIGHT® does not need additional support for a permanent placement.

Our sales team will help you calculating the needs for your project.

Attention!

The following is a description of the FIRETIGHT® SINGLE USE installation.
For the description of the FIRETIGHT® DOUBLE USE installation [click here](#).



SINGLE FIRETIGHT®

STEP 2 **PLACE SINGLE FIRETIGHT®**

The FIRETIGHT® can be applied in the seam both from above and below.

It is possible the seam is closed on the end(s). If this is the case, fold the protruding part of the packaging back slightly on the end side (*see image 1*) and place the edge against the end of the seam (*see image 2*). Make sure that the mineral wool is placed as close to the short end of the seam as possible.

In the case of an open seam, the FIRETIGHT® is simply positioned at the end.



Image 1



Image 2

STEP 3 **ACTIVATE FIRETIGHT®**

After the FIRETIGHT® has been inserted into the seam, it must be pressed against the end with one hand and held in position. With the other hand, cut the foil with a sharp knife over a length of about 5cm, which will break the vacuum. The mineral wool recuperates and clamps itself in the seam (*see image 3*).



Image 3

STEP 4 CONTINUE INSTALLATION

Now place the next FIRETIGHT® in the seam so the protruding foil of the placed FIRETIGHT® lies opposite to the protruding foil of the next FIRETIGHT®.

The FIRETIGHT®s are then placed, alternating one and the other (see illustration).



After the 2nd FIRETIGHT® has been inserted into the seam, it must be pressed against the first FIRETIGHT® with one hand and held in position (see image 4). With the other hand, cut the foil again with a sharp knife over a length of about 5cm to release the vacuum and to allow the mineral wool to recuperate (see image 5).

Continue working like this until it is clear that, with the next FIRETIGHT®, the seam is completely filled (see image 6).



Image 4



Image 5



Image 6

SINGLE FIRETIGHT®

STEP 5 INSTALL END CAP

When the seam ends with a closed end, self-adhesive intumescent tape should be applied before the last FIRETIGHT® is placed.

1. Cut off a piece of intumescent adhesive tape to size and stick it on the closed end (see image 7).

Now place the last FIRETIGHT®:

2. Measure the remaining seam to be filled and determine the length of the remainder (use the FIRETIGHT® clamp if necessary) (see image 8).
3. Mark the FIRETIGHT®;
4. The FIRETIGHT® is then inserted into the seam at an angle and cut to size with a sharp knife (see image 9). When you are cutting, the mineral wool will immediately recuperate, which is why the FIRETIGHT® must be at least partially placed in the seam before commencing with cutting. The film allows the FIRETIGHT® to be slid into place in the seam. The cut edge has to be placed against the short closed end of the already applied intumescent band. After the FIRETIGHT® has completely recuperated, remove the Firetight clamp (see images 10 through 12).

If the seam does not have a definite end but ends in free space, the part of the FIRETIGHT® which sticks out can be easily cut off (see image 13).



Image 7



Image 8



Image 12



Image 9



Image 13



Image 10

PROTECTED

The seam is now fully fire-resistant (see image 14 and 15).



Image 14



Image 11





Image 15



FIRETIGHT® INSTALLATION MANUAL



DOUBLE USE

FIRETIGHT®	JOINT WIDTH
Single use* 	40 – 90 mm
Double use 	90 – 160 mm

[Click here for the FIRETIGHT® SINGLE USE instructions.](#)

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STEP 1 DEFINE NEEDS

FIRETIGHT® can be used in joints and seams with a width of 40 to 160 mm and a depth of 200 mm or more. The application of FIRETIGHT® is based on the joint width of your detail. Use FIRETIGHT® in a single or double manner based on your joint or seam width.

JOINT WIDTH	APPLICATION
40 – 90 mm	SINGLE FIRETIGHT®
90 – 160 mm	DOUBLE FIRETIGHT®

For a good fire protection, the thickness of the product is 1,5x the width of the joint or seam. Check if the width of the joint and the thickness of the FIRETIGHT® are according to advised guidelines before use. When the guidelines are followed, the FIRETIGHT® does not need additional support for a permanent placement.

Our sales team will help you calculating the needs for your project.

Attention!

The following is a description of the FIRETIGHT® DOUBLE USE installation.
For the description of the FIRETIGHT® SINGLE USE installation [click here](#).



DOUBLE FIRETIGHT®

STEP 2 PLACE DOUBLE FIRETIGHT®

The FIRETIGHT® can be applied in the seam both from above and below.

It is possible the seam is closed on the end(s). If this is the case, please apply a self-adhesive intumescent tape to the inside of the end of the seam. Cut a piece of the self-adhesive intumescent tape to size and stick this to the short end of the seam (see image 1).

The FIRETIGHT® strips should be placed in the seam in an alternating fashion (see illustration). To do this, fold the protruding part of the packaging back slightly at the end (see image 2), and place the edge against the end of the seam (see image 3). Make sure that the mineral wool is placed as far as possible against the end of the seam.



Place a second FIRETIGHT® on the same side of the seam against the end of the first FIRETIGHT®.

The two FIRETIGHT®s are now laying end-to-end in an alternating fashion (see image 4). Hold this FIRETIGHT® in place in the seam with your hand.

Now place the third FIRETIGHT® on the opposite side against the first and second FIRETIGHT® in the pattern as shown in the illustration. The third FIRETIGHT® is now halfway between the first and second FIRETIGHT® (see image 5).

If the seam is not closed, the FIRETIGHT® is simply positioned at the end, also see step 6.



Image 1



Image 2



Image 3



Image 4



Image 5

STEP 3 ACTIVATE FIRETIGHT®

After the FIRETIGHT®s have been inserted into the seam, they must be held in position. Then cut the foil of the third FIRETIGHT® with a sharp knife over a length of about 5cm. This will break the vacuum.

The mineral wool recuperates and clamps itself in the seam (*see image 6*). At this stage, leave the first and second FIRETIGHT® intact for a while. The position of these FIRETIGHT®s can still be easily adjusted so that the strips can be properly connected to each other.



Image 6

STEP 4 INSTALL END CAP ON CLOSED END

Position the missing FIRETIGHT® using the FIRETIGHT®clamp.

1. Slide the Firetight clamp over the FIRETIGHT® with the open bottom underneath (*see image 7*).
2. Measure the length of the remainder and mark the FIRETIGHT® (*see image 8*).
3. The FIRETIGHT® is then inserted into the seam at an angle and cut to size with a sharp knife (*see image 9*). When you are cutting, the mineral wool will immediately recuperate, which is why the FIRETIGHT® must be at least partially placed in the seam before you commence with cutting. The film allows the FIRETIGHT® to be slid into place in the seam. The cut edge has to be placed against the short end of the already applied intumescent band.
4. After the cut-to-size FIRETIGHT® has completely recuperated, remove the FIRETIGHT®clamp. The first FIRETIGHT® can now be activated by cutting through the foil (*see image 10*). The FIRETIGHT®s will now fill the entire seam and connect well to each other on the short sides (*see image 11*).



Image 7



Image 8



Image 9



Image 10



Image 11

STEP 5 CONTINUE INSTALLATION

Now place the next FIRETIGHT® in the seam opposite of the protruding FIRETIGHT® (see illustration).



This FIRETIGHT® can now be recuperated by cutting into the foil. Continue until the entire seam is filled (see image 12).

In the case of a closed end, repeat step 4. Proceed with step 6 in the case of an open end.



Image 12

STEP 6 **INSTALL END CAP** **ON OPEN END**

If a seam has an open end, for example because the connecting building element has not yet been placed, the last FIRETIGHT®s must simply protrude. The protruding parts are then cut off (see image 13).



Image 13

PROTECTED

The seam is now fully fire-resistant (see image 14).



Image 14



DOUBLE FIRETIGHT®

STORAGE GUIDELINES FIRETIGHT®

- 1. Delivery Packaging:**
 - FIRETIGHT® is carefully packed in durable cardboard boxes designed to protect the product during transit.
- 2. Pallet Placement:**
 - Place the FIRETIGHT® boxes on disposable pallets, ensuring they are evenly distributed to maintain stability.
- 3. Stacking Limitation:**
 - Do not stack the boxes higher than 5 units. Stacking them beyond this limit can compromise the integrity of the product.
- 4. Water-Resistant Packaging:**
 - The packaging is engineered to be splash waterproof, guarding against water damage while in transit and storage.
- 5. Indoor Storage:**
 - Whenever possible, store the FIRETIGHT® boxes indoors in a controlled environment. Maintaining a consistent temperature and humidity level is crucial for product performance.
- 6. Sunlight Avoidance:**
 - Protect the FIRETIGHT® boxes from direct exposure to sunlight, as extended UV exposure can potentially degrade the product over time.
- 7. Moisture Protection:**
 - Keep the boxes dry at all times. Use pallets or other means to elevate the boxes off the ground to prevent moisture absorption.
- 8. Timely Processing:**
 - It is recommended to complete the processing of FIRETIGHT® within 1 week of delivery. This precaution helps prevent any potential issues related to product expansion or contraction due to varying weather conditions.
- 9. Weight Limitation:**
 - Avoid placing heavy objects on top of the FIRETIGHT® boxes. The weight limit is specifically designed to prevent deformation and damage.
- 10. Safe Opening:**
 - When opening the boxes, use caution to avoid using sharp tools, which could inadvertently puncture the FIRETIGHT® material. Damaging the product during unpacking should be avoided.
- 11. Regular Inspection:**
 - Regularly inspect the stored FIRETIGHT® boxes for any signs of damage or moisture ingress. Address any issues promptly to prevent product degradation.
- 12. Emergency Protocols:**
 - Establish clear procedures for handling any unexpected events, such as water leaks or extreme weather conditions, to protect the stored FIRETIGHT® from damage.

These comprehensive guidelines, along with the additional considerations, will help ensure the optimal storage and handling of FIRETIGHT® products, minimizing the risk of damage and maintaining product quality.