

Fire Tape

Sealprem always ensure a good quality product is manufactured and supplied, however this alone cannot guarantee a durable and perfect seal every time. Professional guidance and good technical information are equally important. If required, our Technical Team can provide thorough and expert guidance before and during the application of Fire Tape.

The data and product descriptions in this publication are drafted based on the latest technology, our experience and research. They form the basis for all defined solutions. From this information, no claims or compensation can arise. We reserve the right to make amendments to products and systems to ensure we continually meet our own high requirements in terms of quality, development and industry regulations. With this release, all previously published issues are no longer valid.

Guidelines for the optimal application of Fire Tape

1. **Always observe applicable safety regulations for your working environment.**
2. **Preparation**
 - 2.1 The substrate must be firm, flat, dry, clean, frost-free and clear of all traces of any oil, grease or sharp protrusions at all times. Sharp or uneven surfaces must be levelled. Any loose materials, chalky surfaces etc. must be cleaned and prepared prior to starting work.
 - 2.2 FIRE TAPE must not be brought into direct contact with a substrate of low-melting bitumen or plastics containing migrating plasticisers, such as PVC, PIB, TPO, FPO, PE etc.
 - 2.3 When applying to substrates such as masonry or concrete these should first be pre-treated with Porous Primer to ensure a durable bond. This also applies to concrete substrates where residual formwork may have left traces of release oil. Surfaces must be cleaned and prepared.
 - 2.4 Sealprem Ltd always recommend an adhesion test on any substrate before commencing work.
 - 2.5 Always check the FIRE TAPE technical datasheet ensuring its suitability for the intended application.
3. **Application**
 - 3.1 Carry out all applications with an ambient, substrate and material temperatures between +5 °C and +35°C. Low temperature will affect the adhesion of FIRE TAPE to the substrate.
 - 3.2 When applying a primer, the substrate should be dry, clean and dust-free. Apply the required primer with a brush or roller and comply with the specified drying time. The primer should feel dry to touch at all times before applying FIRE TAPE.
 - 3.3 When sealing joints with FIRE TAPE, ensure a bonding surface of at least 50mm on each side of the joint is achieved.

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- 3.4 If there are wall brackets/anchors, or corners Sealprem Ltd advise to start by sealing these areas prior to the main areas are covered.
- 3.5 Avoid tension and air entrapment whilst applying the tape. Silicone hand rollers can be used to ensure maximum adhesion is achieved.
- 3.6 Apply FIRE TAPE ensuring each horizontal joint overlaps the layer beneath maintaining correct sealing and drainage.
- 3.7 After applying the FIRE TAPE, firm pressure must be used to fully activate the pressure sensitive adhesive within the FIRE TAPE. This must be done using a silicone roller to ensure full and complete adhesion across the contact surface. A Penny Roller must be used for internal corner details.
- 3.8 Additional care should be taken with edges and corner details. Ensure a full bond is achieved. Poor attention to detail in these areas will mean reduced adhesion and therefore increases the risk of gaps, ridges, creases, and associated leak paths.
- 3.9 Where the substrate is uneven, which could prevent a proper connection, especially near the edges of the FIRE TAPE installation, it is recommended to seal the edges with High Modulus Modified Polymer Sealant to prevent moisture entering the lip between the FIRE TAPE and substrate.
- 3.10 Where punctures / breaches have occurred or any action preventing a proper connection, it is recommended to seal the edges with a polymer sealant such as High Modulus Modified Polymer Sealant to prevent moisture entering the lip between the Fire Tape and substrate.
- 3.11 Sealprem recommend the use of High Modulus Modified Polymer Sealant to over-seal / encapsulate the exposed edge of Fire Tape where the latter may be exposed for longer than 28 days during the construction period.
- 3.12 Note: prime porous surfaces to receive High Modulus Modified Polymer Sealant with Porous Primer.
- 3.13 Avoid the use of sharp items to prevent damage to the top layer.
- 3.14 To ease application of FIRE TAPE, depending on size, it is provided with a perforated silicon based release liner which can be removed separately. When removing the release liner ensure that the adhesive surface remains clean, and free from any debris or contamination.
- 3.15 In case of overlapping FIRE TAPE it is important to maintain an overlap of at least 50mm.

4 Storage

- 4.1 Store in original packaging and in dry and well ventilated space at temperatures of min. +5°C to max. +30°C.
- 4.2 Storing at higher temperatures can lead to a more difficult removal of the release liner.

5 Shelf Life

- 5.1 Maximum 24 months after production date.

6 Repairing areas of FIRE TAPE

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- 6.1 In case of repair after damage etc follow the application instructions above.
- 6.2 It is very important that the substrate is clean and dry. Remove any loose parts of substrate or tape as much as possible.
- 6.3 On a damp surface will the adhesive not adhere.
- 6.4 In case of insufficient adhesion in an existing situation, heating the tape and if possible, the substrate can provide a solution. Never use a naked flame to warm the surfaces. Ensure FIRE TAPE is not heated over 70°C.
- 6.5 However, a lot of pressure must be applied using a silicone roller to reinitiate adhesion with substrate of top layer of the tape.
- 6.6 For a durable result apply the new FIRE TAPE ensuring where possible to overlap the layer below to maintain moisture drainage. Additional sealant may be required on the perimeter edges of the repair to ensure it is fully sealed and remains watertight on overlaid patches for example.

7 Technical Guidance

- 7.1 This information is provided as a general guide. For specific installation questions please contact Sealprem:
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