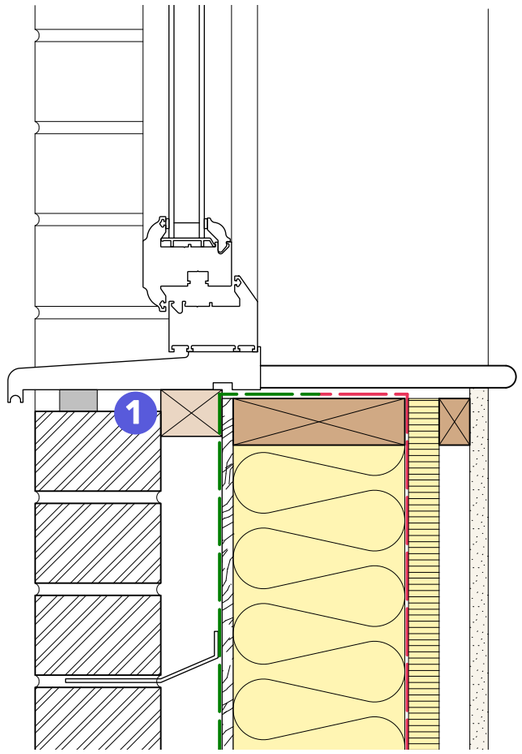
# E3 -02: Sill - Window - Brick - Timber Cavity Barrier

# Psi Value: 0.045 W/mK

f Value: 0.85




## Thermal Compliance Notes

1. 38x50mm timber cavity barrier.

## Construction Notes

1. The thermal performance of this detail is unaffected when using varying masonry sill configurations, such as brick solider coursing, brick on edge or feature stone sills.
2. Ensure masonry cladding differential movement allowance are located and fitted in accordance with STA differential movement technical guidance.
3. Sill detailing may vary to suit brick coursing and window surround fenestration.
4. Membrane and VCL shown may help improve air tightness performance.

## General Notes

1. The timber frame detailing arrangements shown are considered common industry practice and align with STA technical guidance and advice where required.
2. All non-timber frame construction detailing, design and specifications, are the responsibility of the Principal Designer.
3. All horizontal and vertical cavity barriers and firestops (timber, polythene sleeved or open state) are to be located and fitted in accordance with STA cavity barrier and firestopping technical guidance.
4. Brick wall ties are shown indicatively, and are subject to coursing and structural engineering project specific design, under the responsibility of the Principal Designer.