

STONESHIELD® Timber Frame Cavity Barrier

Installation Guidelines

Issue Number: 1

Please check our latest STONESHIELD® Timber Frame Cavity Barrier datasheet to ensure you select the cavity barrier for the correct location, orientation and the fire resistance performance that you require.

Barriers are to be stapled fixed at 150mm centres along both flanges to ensure a mechanical fix until the brickwork can be installed compressing the barriers.

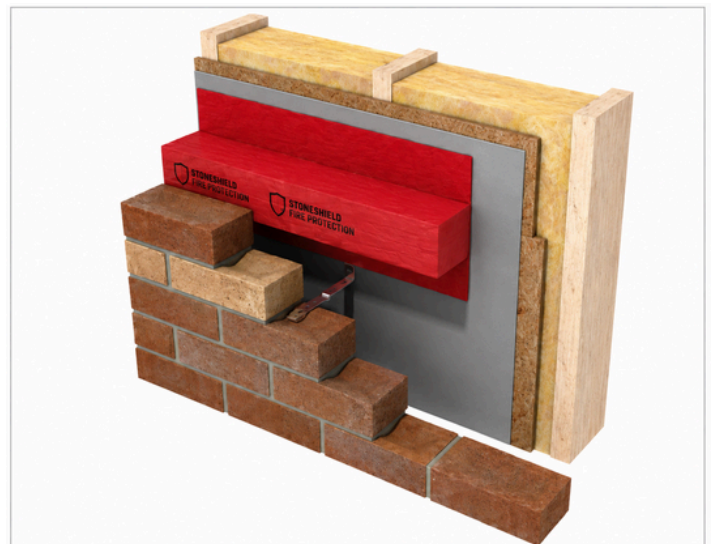
COMPRESSION

STONESHIELD® Timber Frame Cavity Barriers and Timber Frame Party Wall Barriers are to be installed with a minimum 15mm compression.

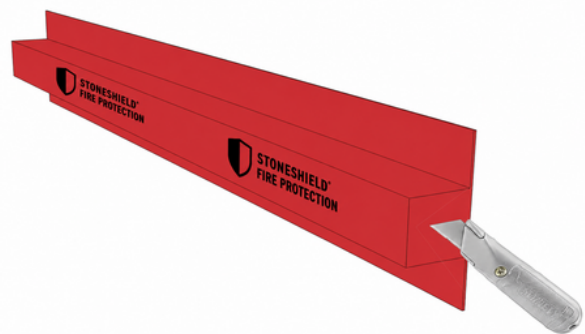
CUTTING

When cutting barriers to size (along the length of the barrier) the steps detailed in the following guide are to be observed:

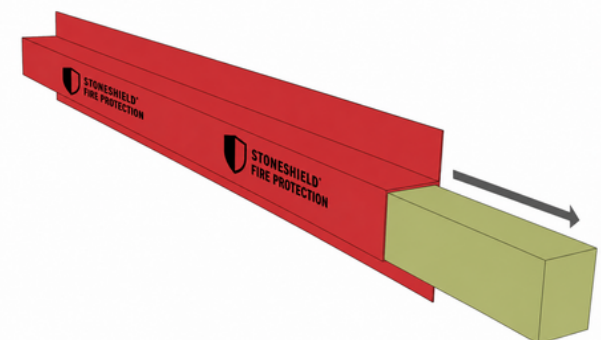
This example is for a 65mm wide x 65mm Timber Frame Cavity Barrier (i.e. 50mm cavity) being required at 800mm long.



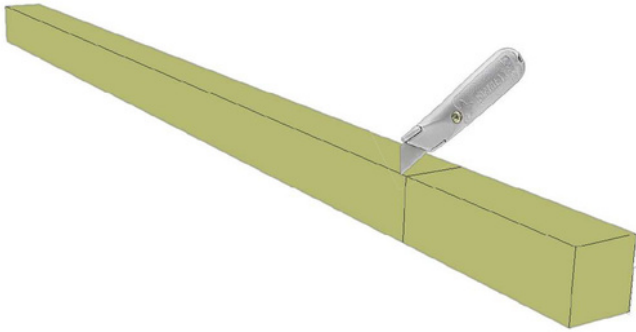
- 1 Create a slit at the end of the polythene sleeve



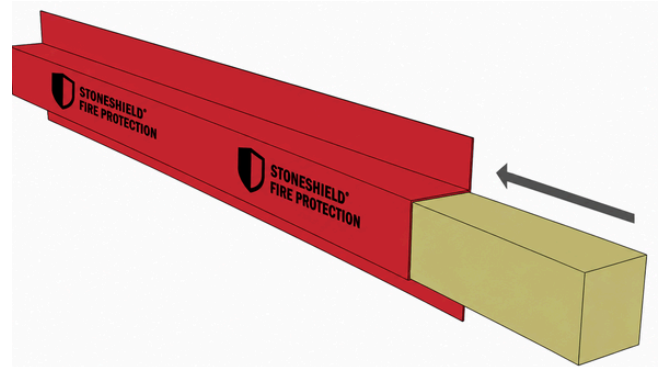
- 2 Carefully remove the mineral fibre core of the barrier



- 3 Trim to the required length (800mm)



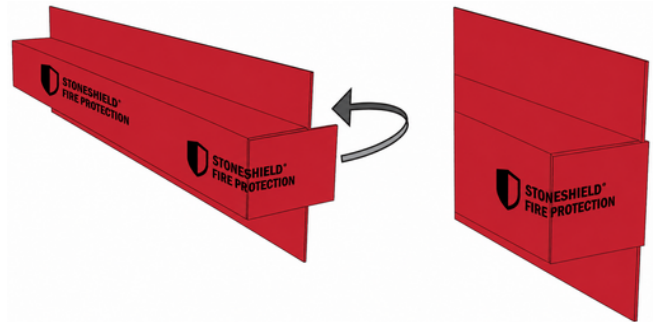
- 4 Once the mineral fibre core is correctly trimmed, re-insert back into the polythene sleeve



- 5 Cut the polythene sleeve approx. 100mm longer than the required barrier length (i.e. 900mm)



- 6 Fold the overlap of polythene (100mm) around the rear of the barrier flange / wing



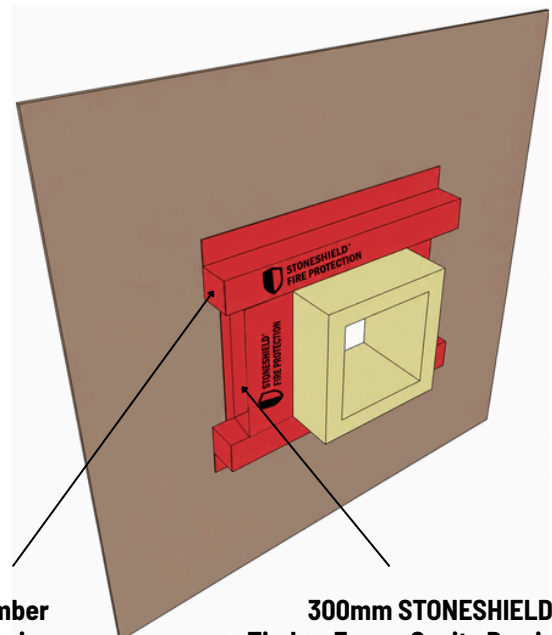
- 7 Locate a staple through the flange / wing at the location overlap during installation or seal the overlap to the rear of the flange.

CREATING AN "OVERSAIL"

Rather than cutting barriers to size, for example around a window frame, it may be more cost effective to install an "oversail" end to the barrier at the corner locations. This will not only ensure a tight butt joint is achieved but eradicate the need to cut the horizontal barriers to size.

300MM STONESHIELD® TIMBER FRAME CAVITY BARRIER

To reduce cutting on site, 300mm sealed Timber Frame Cavity Barriers are sold and fitted as per the diagram. The slight oversailing of the horizontal barriers prevents water ingress during installation.

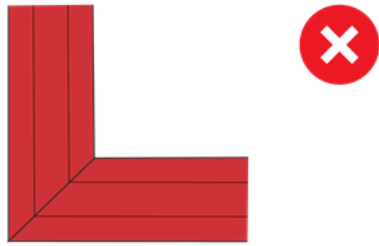


300mm STONESHIELD® Timber Frame Cavity Barrier
Butt tightly into the vertical infill

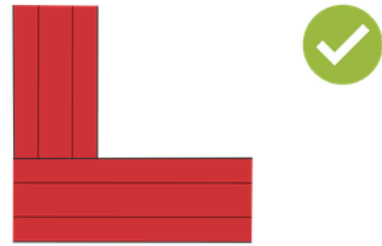
300mm STONESHIELD® Timber Frame Cavity Barrier
Butt tightly into the horizontal infill

DO's and DON'TS

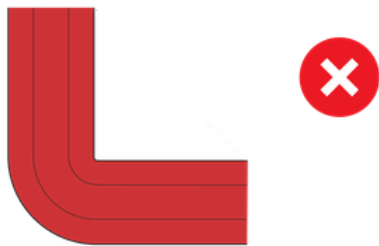
DO NOT "chamfer" corners at 45°



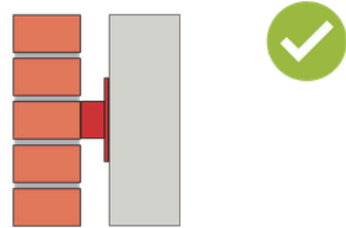
DO ensure tight 90° butt joints at corners



DO NOT bend a barrier to get it round a corner



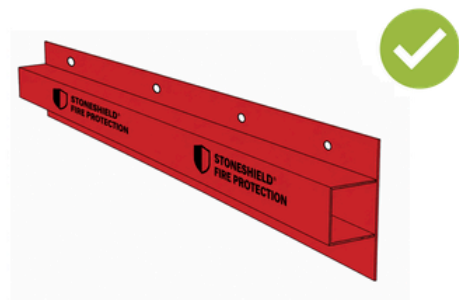
DO ensure that cavity barriers are tightly fitted and the compression obtained matches the requirements of the cavity barrier



DO NOT allow gaps between barriers



DO ensure that cavity barriers are staple fixed at a maximum of 150mm centres



STONESHIELD® Timber Frame Party Wall Barrier

STONESHIELD® Timber Frame Party Wall Barrier are placed centrally across the separating wall cavity and are staple fixed in the same way as the Timber Frame Cavity Barrier.

Follow cutting instructions as per the Timber Frame Cavity Barrier.

