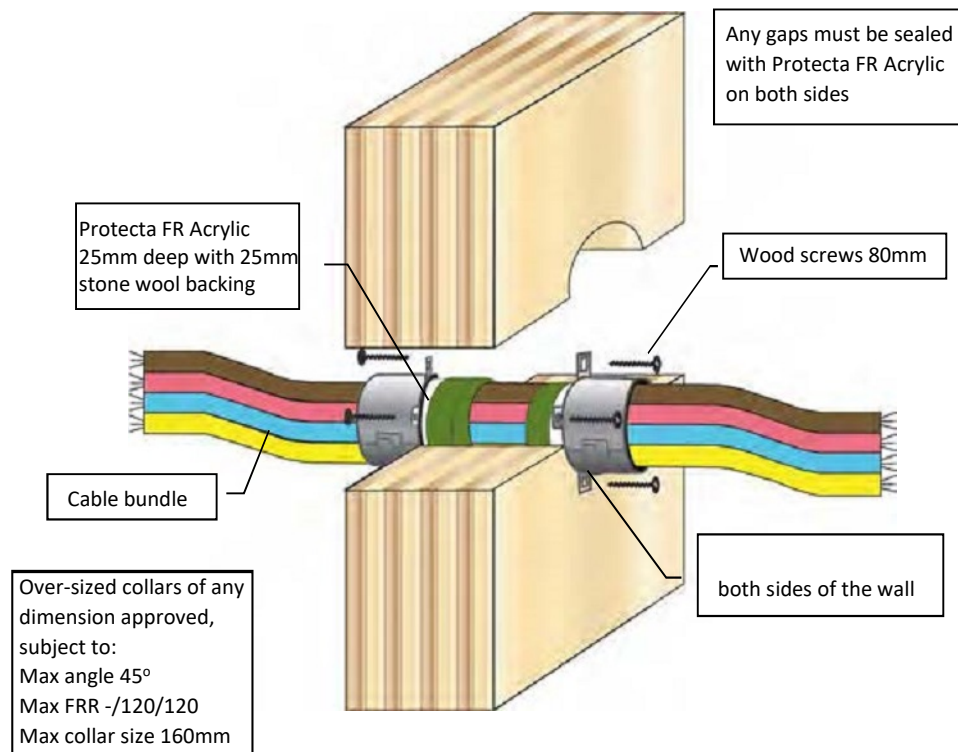


## Protecta FR Collar Cable Bundles in Solid Timber or CLT Walls

### Installation Instructions

1. For sealing cables, a pipe collar is installed on both sides of the wall.
2. Before fitting the pipe collar ensure that any gaps between the cables and the separating element are sealed. Gaps between the cables and the construction must be plugged with 25mm deep Protecta FR Acrylic on 25mm deep backing of stone wool (or 50mm FR Acrylic).
3. Place a pipe collar around the cables and ensure that the fixing lugs are positioned tightly to the surface of the wall so that the 80mm wood screw fixings can be inserted fully.
4. Where the surface is uneven, apply a sealing bead of Protecta® FR Acrylic between the wall and the pipe collar.
5. Annular gap must be minimum 10mm for bundle sizes up to 160mm.
6. On sites where the penetration size is greater than the bundle diameter and/or the bundle is on an angle an oversized collar can be used. Protecta® FR Collars are tested 'oversize', i.e. the internal diameter of the collar can be larger than the bundle.



Cable bundles may include all types of insulated cables with copper or aluminium conductors, fibre optic cables and bundled communication cables.

System/FPA Register ID# FC605

|                     |   |
|---------------------|---|
| <b>Products</b>     | Protecta FR Collar<br>Protecta FR Acrylic   |
| <b>Application</b>  | Fire stopping of cable bundles in timber walls  |
| <b>Construction</b> | Minimum wall thickness of 100mm and comprise solid wood or cross-laminated timber with min density 510kg/m <sup>3</sup> |

|   |              |
|---|--------------|
| <b>Fire &amp; Sound classification</b>  |              |
| Cables ≤ Ø 21mm, in a bundle ≤ Ø110mm, with collars ≤ Ø110mm at ≥ 30mm height | FRR -/120/60 |
| Cables ≤ Ø 80mm, in a bundle ≤ Ø110mm, with collars ≤ Ø110mm at ≥ 50mm height | FRR -/120/60 |
| Cables ≤ Ø 80mm, in a bundle ≤ Ø160mm, with collars ≤ Ø160mm at ≥ 60mm height | FRR -/120/60 |
| ZERO smoke leakage up to 200Pa  |              |
| Sound reduction (seal only)   | STC 58       |

As a part of our policy of on-going product development and testing, we reserve the right to modify, alter or change product specifications without giving notice. All information contained in this document is given in good faith and is provided for guidance only. Any drawings provided are for illustrative purposes only. As Polyseam has no control over the methods or competence of installation and of prevailing site conditions, no warranties, expressed or implied, is intended to be given as to the actual performance of the product mentioned or referred to herein and no liability whatsoever will be accepted for any loss, damage or injury arising from the use of the information given.

For all technical details on the products specified please refer to the technical data sheets that can be found on [www.firestopcentre.co.nz](http://www.firestopcentre.co.nz)

Signed and approved:

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| Sheet size:<br><b>A4</b> | Drawn date & no:<br>28/7/20 |
| Scale:<br><b>NTS</b>     | Drawn by:<br>K.B            |