

## INSTALLATION OF RESCOM® PRODUCTS TO TIMBER FRAMING

Timber framing to be installed in accordance with AS1684. The maximum timber stud heights for applied loads of 15 kN/m and recommended stud spacing maximum 600mm on fire rated wall systems. Timber frames are normally only suitable to a maximum of 120-minute fire rating.

**The building designer must ensure that load bearing walls have been designed:**

- To resist all applied loads
- To be in accordance with AS4600, AS1684 and AS1720.1, the BCA and all relevant standards.
- To assume no axial strength contribution from wall linings. Some wall systems will have their axial load capacities reduced. For timber, it is due to the loss of section as the timber chars.
- The following are important points to observe:
- Sheets can be fixed using a combination of screws and appropriate structural adhesive.
- Where a double wall system is used, the gap between the walls should be from a minimum of 20mm to a maximum of 50mm.
- Control joints are to be used where specified, where dissimilar materials abut, or at least every 12 metres.

See figure 1.1 for installation details.

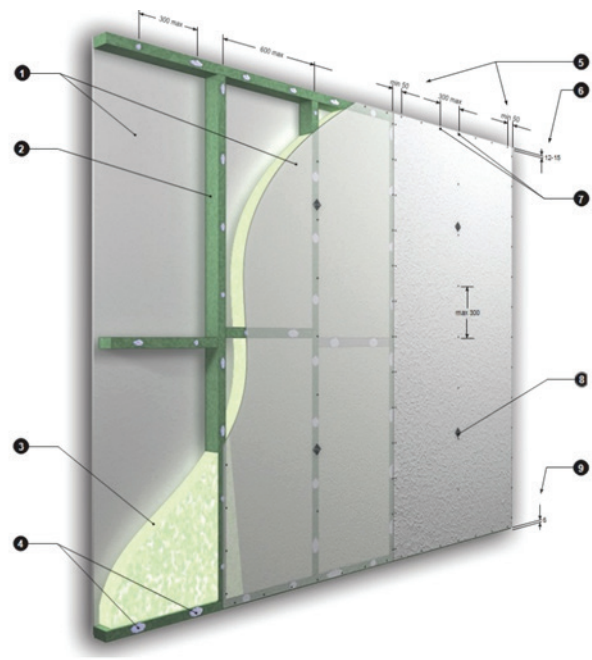


Figure 1.1 - Timber Fire Wall Installation Detail

## INSTALLATION OF RESCOM® PRODUCTS TO STEEL FRAMING

Metal framing to be installed in accordance with BCA Volume 2. The size of steel stud should be determined by a professional engineer.

Due to indifferent metals, such as screws and frame work, MgO Corp recommends that a film of silicone, mastic tape or sarking is placed on the metal stud frame before fixing of the ResCom® board to eliminate corrosion & moisture.

**The building designer must ensure that load bearing walls have been designed:**

- To resist all applied loads
- To be in accordance with As4600, AS1684 and AS1720.1, the BCA and all relevant standards.
- To assume no axial strength contribution form wall linings. Some wall systems will have their axial load capacities reduced. For steel, this is due to the steel weakening at temperature.

See figure 2.1 for installation details

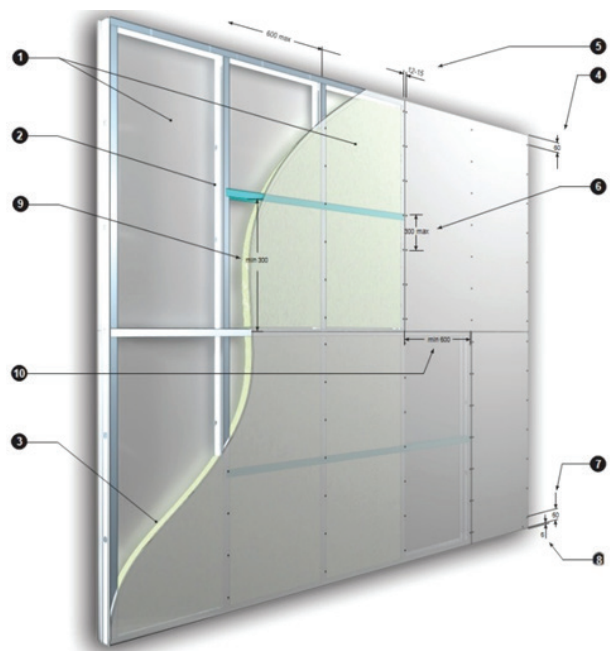


Figure 2.1 - Steel Fire Wall Installation Detail