

TECHNICAL NOTE

RIMBOARD

Rimboard is a member fastened across the ends of joists, with its outer face flush with the outer face of the wall line and fitting snugly between the underside of the flooring and/or bottom plate of an upper storey wall and the top of a supporting lower storey wall.

Rimboard, in pieces at least 2.5 joist spacings long, installed continuously across the ends of Hybeam I-joists terminating at a wall line, can fulfil the following functions for houses constructed generally in accordance with AS 1684, subject to the conditions specified.

- 1) To provide rollover restraint to Hybeam I-joists at an end support.

17 mm F11 structural plywood rimboard, nailed to the end of every Hybeam I-joist with 1/50 x 2.8Ø flat head nail to each flange, is an acceptable means of preventing Hybeam I-joists rolling at supports.

- 2) To help the bottom plate of an upper storey wall transfer and distribute compressive loads from common studs in the upper wall to the top of a lower storey wall or other support.

Where 17 mm F11 structural plywood rimboard, not more than 360 mm deep and nailed to the ends of joists as specified above, supports the bottom plate of an upper or single storey wall supporting a tile (or sheet) roof (RLW ≤ 8.1 m) the bottom plate of the wall may be a minimum 35 mm depth and of any stress grade.

Note: Blocking and/or compression blocks should also be used to support jamb studs or posts.

However,

Rimboard should not be relied upon to transfer racking loads from the upper storey wall or floor diaphragm to a lower storey bracing wall unless fixed to the upper wall or floor diaphragm **and** to the top plate of the lower storey bracing wall with fastenings of sufficient capacity to transfer the racking forces associated with the upper storey. Although skew nailing may be attempted for nailing down to the top plate there is practical difficulty in making the equivalent connection to the top of the rimboard. There is little likelihood that either (or both) connections will be sufficiently effective and reliable and therefore **use of rimboard for the purpose of transferring racking loads is not recommended.**

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5th September 2003