

Where can I use NZ Douglas-fir Products

Building Component		Douglas-fir Untreated	Douglas-fir H1.2
FOUNDATIONS AND EXTERNAL	Building Piles Crib walling House poles Retaining walls	NOT recommended	NOT recommended
EXTERNAL TO BUILDING ENVELOPE	Posts bearers, beams, floor joists, rafters, guardrails, stair stringers, Horizontal retaining wall members	NOT recommended	NOT recommended
SUBFLOOR	Jackstuds, subfloor braces, bearers, wall plates, floor joists to the subfloor, blocking etc., subfloor wall studs, walings and battens, wall studs and nogs, diagonal boards.	NOT recommended	Acceptable Solution
WALLS	In exterior walls clad with vertically fixed sheets of corrugated coloursteel, zincalume &/or iron and complying with special conditions (refer to Douglas-fir Association Alternative Solution)_In exterior walls clad with weatherboard, stucco, EIFS, horizontally fixed sheets corrugated coloursteel, zincalume &/or iron and monolithic claddings; where they are fixed to a drained and vented cavity system and complying with special conditions (refer to Douglas-fir Association Alternative Solution) ¹	ALTERNATIVE SOLUTION 1	Acceptable Solution
	In exterior walls clad with masonry veneer and complying with special conditions (refer to NZS 3602) ² ; In internal wall framing excluding those supporting decks and balconies; Midfloor framing excluding boundary joists.	Acceptable Solution	EXCEEDS Acceptable Solution
	Within or beneath a parapet, Supporting enclosed decks or balconies In exterior walls except where otherwise specified e.g. where monolithic claddings are fixed to exterior walls-complying with E2/AS1	NOT recommended	Acceptable Solution
	Within enclosed decks or balconies Supporting enclosed decks or balconies where failure could be life threatening e.g. post and beam construction To which shelf angles and lintel angles supporting masonry veneer are fixed Battens behind cladding In exterior walls where monolithic claddings are fixed to exterior walls – not complying with E2/AS1; Used as weather boards For exterior joinery such as window and door frames	NOT recommended	NOT recommended
STAIRS ETC	Interior finishing timbers and shelves eg T & G cladding	Acceptable Solution	NOT recommended
	External stair timbers, unroofed decking	NOT recommended	NOT recommended
ROOFS	All timber in roofs otherwise not specified below:	Acceptable Solution	EXCEEDS Acceptable Solution
	Enclosed skillion roof framing and associated members	NOT recommended	Acceptable Solution
	Sarking and framing not protected from solar driven moisture through absorbent cladding materials. Enclosed flat roof framing and associated supporting members. Valley boards and boards supporting flashings or box gutters, and flashings to roof penetrations and upstands to roof decks	NOT recommended	NOT recommended

Notes:

1 Requires approval from a building consent authority as meeting clause B2 of the Building Code. The Douglas-fir Association's Alternative Solution requires eaves all round not less than 450mm for single story and/or low / medium wind zones (refer NZS3604) and not less than 600mm for 2 storeys and/or high wind zones. (Not recommended for very high wind zones). Drained and vented cavities complying with E2/AS1 except for use with vertically fixed sheets of corrugated coloursteel, zincalume &/or iron. Only simple gable / hip roof with a pitch greater than 10° and eaves all round. Bottom plates fixed on concrete foundation should be treated to H1.2 or better. For full reference of Douglas-fir Association's Alternative Solution visit www.douglasfir.co.nz

2 All timber framing (including boundary joists) in exterior walls clad with masonry veneer complying with SNZ HB 4236 on single storeyed building with eaves all round not less than 450mm, not more than 10% of other cladding complying with E2/AS1 at recessed porches, panels above windows, or gable ends built out to the face of the brick. Hipped roof or gable end roof with masonry veneer gable and no habitable space below the floor. (Refer to NZS 3602)