## The Alternative Solution does not increase external moisture (E2) risk category beyond that of the Acceptable Solution B2/AS1 for untreated Douglas-fir used in masonry veneer buildings

| Risk Factor (E2/AS1) | Alternative solution for untreated Douglas-fir | | Acceptable Solution B2/AS1 for untreated Douglas-fir | | Maximum score possible for each risk factor | |
|---|---|---|---|---|---|---|
| *A: Wind zone* | *High* | *1* | *V High* | *2* | *V High* | *2* |
| *B: Number of storeys* | *High* | *2* | *Low* | *0* | *V High* | *4* |
| *C: Roof/wall intersection design* | *Low* | *0* | *Low* | *0* | *V High* | *5* |
| *D: Eaves width(1)* | *Med* | *1* | *Med* | *1* | *V High* | *5* |
| *E: Envelope complexity* | *Med* | *1* | *Med* | *1* | *V High* | *6* |
| *F: Deck design* | *Low* | *0* | *Low* | *0* | *V High* | *6* |
| *Total* | *Low < 6* | *5* | *Low < 6* | *4* | *V High > 20* | *28* |

Factors with highest maximum risk scores are the most critical. Alternative Solution scores very low in the critical factors.

Additional risk management features of Douglas-fir Association's Alternative Solution:

- All cladding systems except vertically fixed sheets of corrugated coloursteel, zincalume and/or iron require drained and vented cavity system.
- Bottom plates fixed on concrete foundation should be treated to H1.2 or better.
- Increased eaves coverage in high wind zone to a minimum of 600mm compared with 450mm allowed in Acceptable Solution B2/AS1 for untreated timber used in specified Masonry Veneer homes.