

Framing Timber Grades

within the building envelope

Verified



MSG10

- MSG10 structural timber grade is represented by GREEN paint or ink marks
- Higher stiffness and strength than MSG8
- Primarily used in structural elements such as Truss Chords*

MSG8

- MSG8 structural timber grade is represented by BLACK paint or ink marks but may include sections of green markings
- This grade can be used for most framing applications within the building envelope*

NB: Markings vary by manufacturing site. The lowest grade colour determines the grade.

Non Structural



Non Structural Timber (NST)

(Previously called NLB)

- NST is represented by RED paint or ink marks or NST printed in red at 1500mm centres or distinct RED perpendicular bars
- For **non structural applications** only such as nogs and non structural blocking*
- **Not suitable for non-load bearing partitioning**

Treatment



Untreated

- Untreated timber is primarily for use in roof trusses and internal partitioning*
- Whilst the use of untreated timber meets the requirements of the New Zealand Building Code in some applications, for peace of mind CHH Woodproducts recommends the use of Boron H1.2 treated timber



H1.2 Boron Treated (Pink)

- Provides protection from borer, fungi and decay, providing sufficient protection to enable time for repair should a leak be detected in the building envelope
- CHH Woodproducts recommends the use of H1.2 Boron as the preferred treatment for all framing within the building envelope unless an alternative treatment is specifically required in order to comply with the New Zealand Building Code



H3.1 - LOSP Treated (Light Green)

- Provides protection from borer, fungi and decay
- LOSP 3.1 is required where there is a risk of critical structural elements becoming damp and staying damp during the service life of the building, such as flat Skillion Roofs (<10°) and under Internal Decks and Parapets*
- LOSP H3.1 is required in specific applications as indicated in NZS3602:2003, in all other cases CHH Woodproducts recommends Boron H1.2 treated timber