

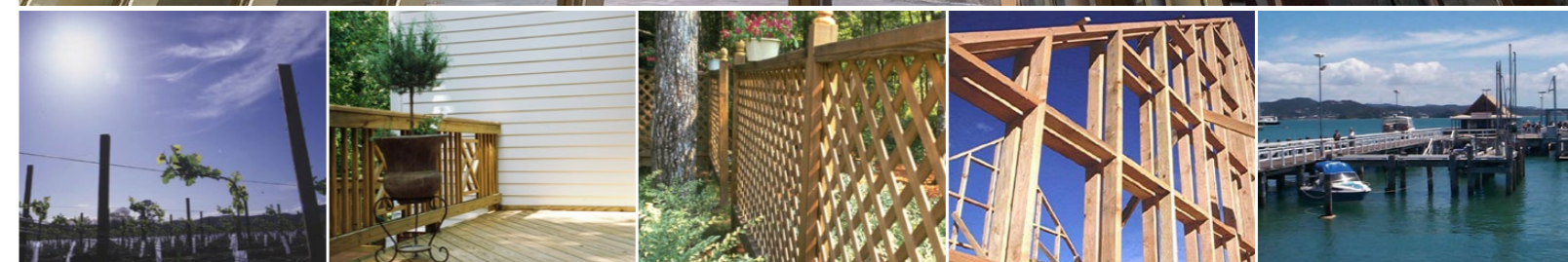
Koppers guide to the Hazard Class System and Timber Preservation options in Australia.

PRESERVATIVE SYSTEM	KEY FEATURES	KEY BENEFITS	LIMITED GUARANTEE*
Lifewood® CCA (H1-H6) Chromated Copper Arsenate	Water carrier Proven durability in harshest conditions Fungicide and insecticide	Economical Reliability and confidence Proven resistance to fungal decay and insect attack	50 years
MicroPro® (H1-H5) Micronised Copper Azole	Water carrier Revolutionary Micronised formulation Fungicide and insecticide	Lighter, more natural appearance. Improved painting and staining qualities Approved for aluminium contact	50 years
NatureWood® ACQ® (H1-H5) Alkaline Copper Quaternary	Water carrier Copper-based preservative Long term protection in Hazard Class H1-H5	Alternative system for above and below-ground contact Proven durability Proven resistance to fungal and insect attack	50 years
Protim® LOSP H2 (H1-H2) Permethrin	Light Organic Solvent Preservative Insecticide only	Used for preservation of timber where kiln dried product of exacting dimensions is required Resistant to insect attack	25 years
Protim® Optimum (H3) Propiconazole and Tebuconazole, Permethrin, IPBC (where requested)	Light Organic Solvent Preservative Used on timber components in their final finished form Fungicide and insecticide	No re-dry required Proven resistance to fungal decay and insect attack	25 years
Determite® (H2F/H2S) Bifenthrin	Water carrier Spray or glueline Repellency effect Insecticide	Proven performance South of the Tropic of Capricorn Proven resistance to termite attack	25 years
Inshield™ (H1-H2) Permethrin	Water carrier Clear colour Insecticide	Used for the preservation of high value timber flooring Proven resistance to insect attack	25 years

* See separate limited guarantee document for more details. Note: Refer to the AS/NZS1604 series issued by Standards Australia Limited for detailed information.

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Guide to the Australian Hazard Class System (as noted in AS/NZS1604)

Hazard Class 1
 Exposure: Inside, above ground
 Conditions: Completely protected from the weather, well ventilated, and protected from termites
 Biological Hazard: Lyctid borers
 Typical Uses: Susceptible framing, flooring, furniture, interior joinery

Hazard Class 2
 Exposure: Inside, above ground
 Conditions: Protected from wetting and leaching
 Biological Hazard: Borers and termites
 Typical Uses: Framing, flooring and similar, used in dry situations

Hazard Class 2F
 Exposure: Inside, above ground
 Conditions: Protected from wetting and leaching
 Biological Hazard: Borers and termites although approved for use South of the Tropic of Capricorn only.
 Typical Uses: Framing envelope treatment

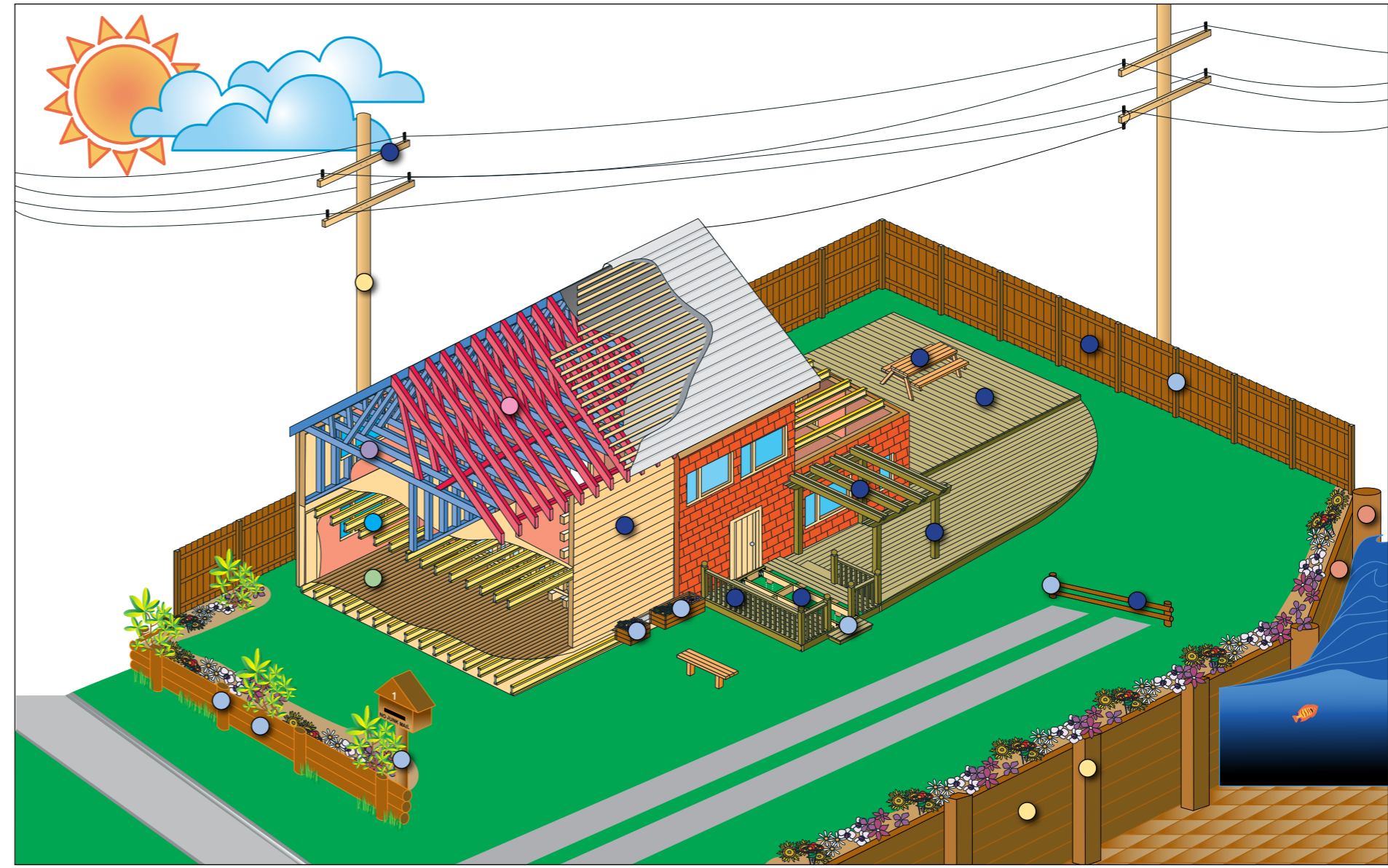
Hazard Class 2S
 Exposure: Inside, above ground
 Conditions: Protected from wetting and leaching
 Biological Hazard: Borers and termites although approved for use South of the Tropic of Capricorn only.
 Typical Uses: LVL/plywood, envelope and glue-line treatment

Hazard Class 3
 Exposure: Outside, above ground
 Conditions: Subject to periodic moderate wetting and leaching
 Biological Hazard: Moderate decay, borers and termites
 Typical Uses: Weatherboard, fascia, pergolas (above ground), window joinery, framing and decking

Hazard Class 4
 Exposure: Outside, in-ground
 Conditions: Subject to severe wetting and leaching
 Biological Hazard: Severe decay, borers and termites
 Typical Uses: Fence posts, garden wall less than 1m high, greenhouses, pergolas (inground) and landscaping timbers

Hazard Class 5
 Exposure: Outside, in-ground contact with or in fresh water
 Conditions: Subject to extreme wetting and leaching and/or where the critical use requires a higher degree of protection
 Biological Hazard: Very severe decay, borers and termites
 Typical Uses: Retaining walls, piling house stumps, building poles, cooling tower fill

Hazard Class 6
 Exposure: Marine waters
 Conditions: Subject to prolonged immersion in sea water
 Biological Hazard: Marine wood borers and decay
 Typical Uses: Boat hulls, marine piles, jetty, cross-bracing, landing steps, and similar



Approved Koppers Preservative Systems (see back page for details)	HAZARD CLASS							
	H1	H2	H2F	H2S	H3	H4	H5	H6
Lifewood® CCA **	✓	✓			✓	✓	✓	✓
MicroPro®	✓	✓			✓	✓	✓	
Naturewood ACQ®	✓	✓			✓	✓	✓	
Protim® LOSP	✓	✓						
Protim® Optimum	✓	✓			✓			
Determite® H2F			✓					
Determite® H2S				✓				
Inshield™	✓	✓						

Please Note:
 The illustration on this page is not a specification guide; its purpose is to depict the various treated timber Hazard Classes as noted in AS/NZS1604.

The Blue colour shown on some of the internal framing depicts “Blue” termite resistant timber framing treated with Determite. “Blue” termite resistant timber framing is restricted for use South of The Tropic of Capricorn only.

The “Red” internal timber depicts framing treated with PROTIM LOSP H2.

*Refer to the complete standards for more detailed information as per AS/NZS1604 and NSW TMA
 ** Please note: CCA treated timber has some limitations to its use in Australia. CCA treated timber cannot be used for garden furniture, picnic tables, exterior seating, children's play equipment, patio and domestic decking, and hand rails. Alternative treatments such as MicroPro®, NatureWood® ACQ® and Protim® Optimum are registered for use in these applications. Koppers recommends either of these preservative options as suitable alternatives.