



Timber in ground contact 3 September 2015

WPA initiatives to improve
treated wood quality and its
marketing opportunities





Wood Protection Association



Steve Young
Director of operations



Dr Chris Coggins
Chairman



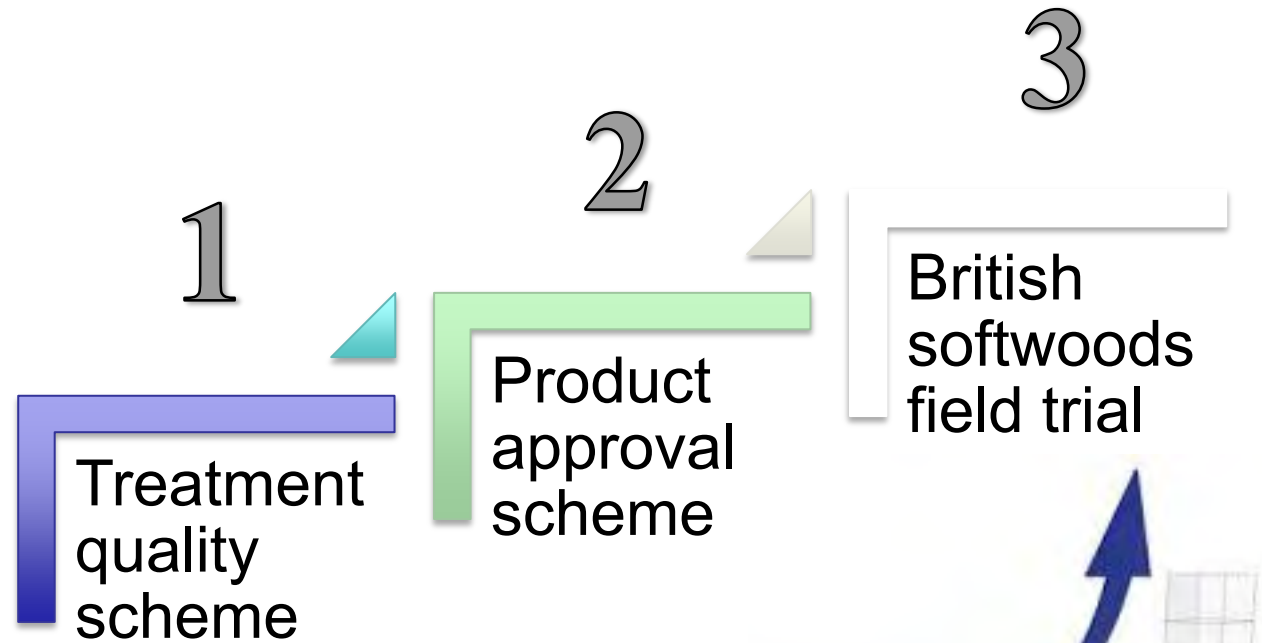
Caroline Hewison
Business support



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Introduction





Why do we need to improve treated wood quality?



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Changes to BS8417: 2014

Desired Service Life	Permeable Spp. E.g. Pine	Resistance Spp. E.g. Spruce
15 years	Full sapwood (NP5)	6mm sapwood (NP3)
	R4	R4
30 years	Full sapwood + *6mm heartwood (NP6)	12mm sapwood + *6mm heartwood
	R4 x 1.5	R4 x 1.5

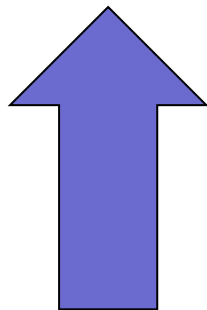
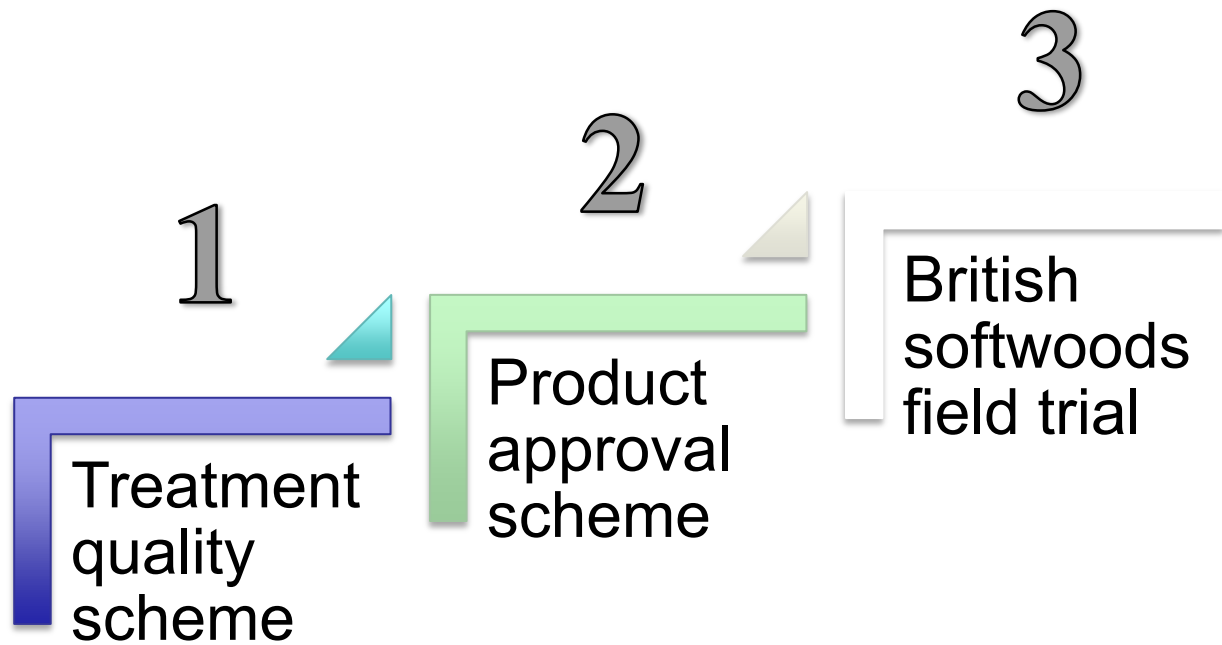
*Ht/W penetration visible in 75% of the x-section

12mm applies if heart /sap indistinguishable





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How to increase confidence in treated wood



Benchmark verifies that treatment consistently achieves the required penetration and retention





Benchmark: Treated Timber Quality Scheme

Principles:

- WPA manual / BS 8417 treatment specifications
- 15, 30 and 60 year desired service life categories
- Traceability – marking – wood and/or pack
- Management and operator competence
- Audits – focus on treated wood
- Safe relationship
- Discipline
- Promotion / PR / advertising

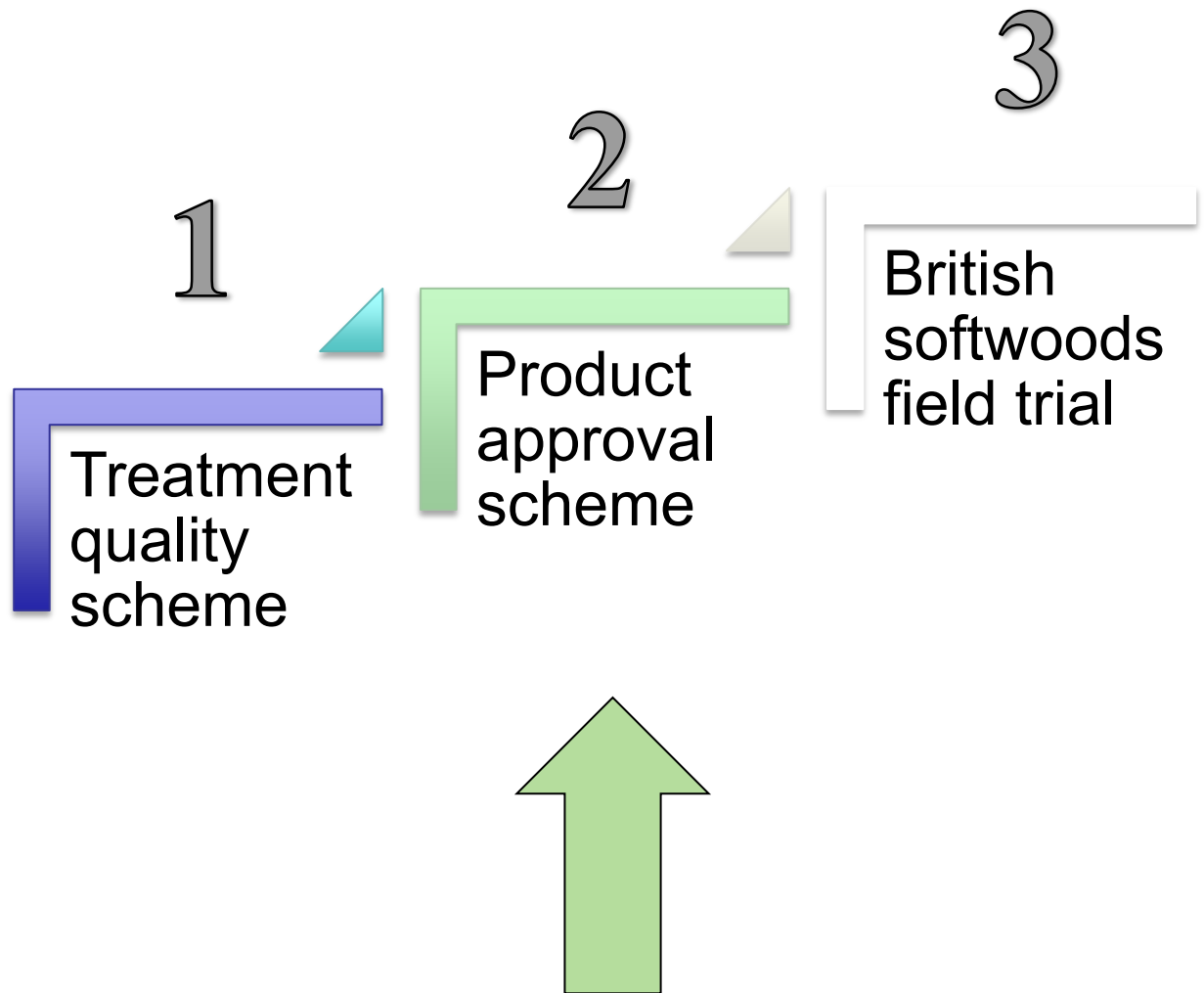




Award for quality excellence



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Do preservatives work?

Long established laboratory and field tests used to establish efficacy





Now WPA Benchmark includes approval of preservatives

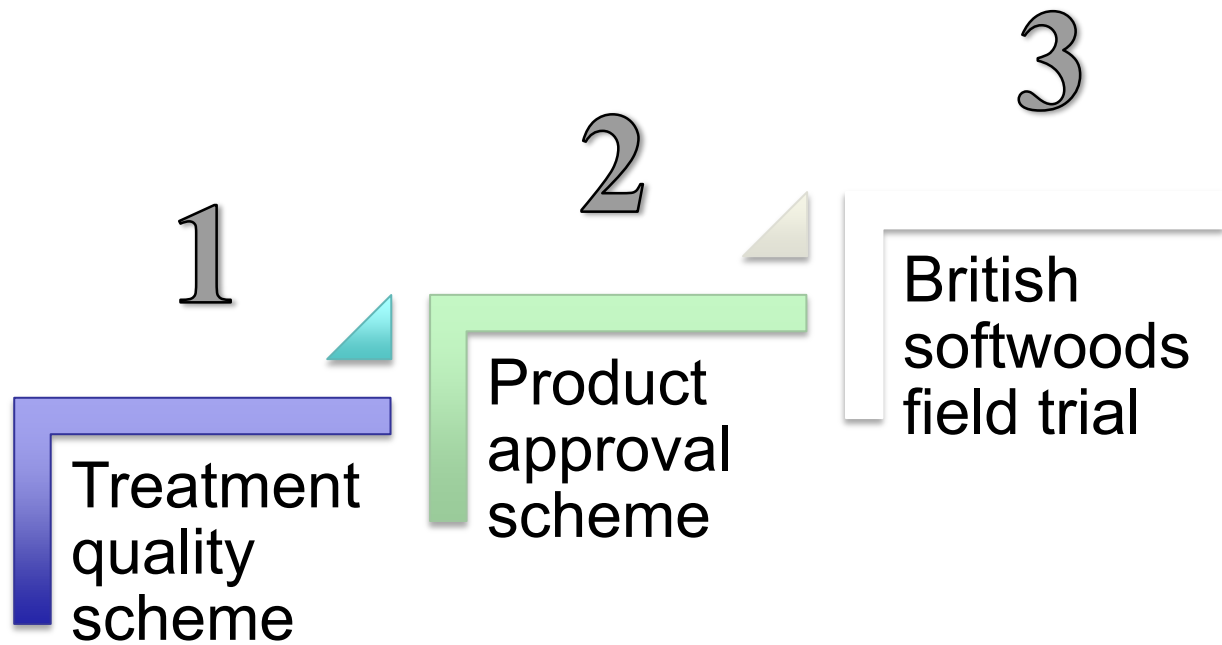
Industry agreed data requirements



Independent panel



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Durability Trial of British Softwoods

Long term field trial to assess
the natural durability of key
plantation grown softwoods



More details

- Two sites: England and Scotland
- 4 species: pine, spruce, Larch and Douglas fir
- 1400 75x75mm posts
- Up to 15 years
- Larch and Douglas fir – more work required on incising techniques



**British Softwoods
Field Trial**
PROJECT SPONSOR



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Partners and sponsors



Forestry Commission



Grown in Britain



Scottish Enterprise

BRE James Jones	BSW Timber James Jones
Arch BASF Wolman Koppers	Confor TDCA TTF UKFPA



What else has WPA done?



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GUIDANCE ON THE TREATMENT OF SPRUCE FENCING



Scope and References

This publication provides guidance on the preservative treatment of spruce components designed for BS EN 333-1 Use Class 4 ground contact applications, such as fence posts and round stakes.

In producing this guidance note, reference has been made to relevant British and European Standards:

- BS 8417: Preservation of timber: recommendations
- BS EN 333-1: Classification of use classes
- BS EN 333-2: Guide to the principles of testing and classification of natural durability
- BS EN 333-3: Guide to the durability and treatability of wood species
- BS EN 333-4: Durability of wood and wood based products

All the major suppliers of wood preservatives have also been consulted.

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THE PERFORMANCE OF TREATED TIMBER IN GROUND CONTACT - USE CLASS 4 FACT FILE




This Fact File is published by the Wood Protection Association (WPA) to assist WPA members meet their duty of care obligations to their customers by confirming the specifications, treatment and installation standards required to ensure components intended for ground contact applications, BS EN 333-1 Use Class 4 fulfil their desired service life expectation.

INSIDE YOU WILL FIND INFORMATION AND FACTS ABOUT:

- Copper-organic wood preservatives performance
- Factors that can shorten service life
- The Class 4 specification table
- Guidance for installers of the Class 4 treated posts

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Timber Treatment Quality Guidance Note: QGN2

For use with BS EN ISO 9001
5th edition September 2009

Controlled Copy No. ■■■■

WPA manual | Quality guidance Note 2 | Highways Sector Scheme 4 | Plant operator NVQ | Make Sure it's 4 | Guidance on treatment of spruce | Fact file: performance in UC4





Summary

- Unprecedented times
- Suppliers have a key, front line role to play to build confidence
- The reputation and growth of treated wood products depends on it!





TREATED WOOD

OPPORTUNITIES



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Responsible marketing

Unlike regular decking, composite can be made anti-slip and splinter free
It's completely bare foot friendly

Composite is totally water and rot proof, resistant to mould, fungi and other traditional problems facing timber decking. It is easily maintained with either a pressure cleaner or just soapy water.

The average natural wood deck may last 5 -10 years ... composite can last 25 years

Passionate as we are about timber, we are not convinced of its suitability for use as decking



Outdoor wood



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Outdoor wood



Outdoor wood



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Outdoor wood



Outdoor wood



Outdoor wood



Outdoor wood



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Outdoor wood



Heavy traffic
bridge,
Netherlands



Moses bridge, Netherlands



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Endless stair



Memorial for tree of knowledge





**Made possible with
wood!!**

Brings the outdoors to life
Opportunities abound if



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