

The role of third-party independent inspection agency for wood preservation industry in China

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Current Status of China Wood Preservation Industry

- The industry has experienced a rapid development
- most of companies are small scaled
- the market is disordered
- annual production is too small

The necessary of establishing the third-party inspection system

- *Confirm the retention and penetration is in compliance with relevant standards or building code /specification*
- *The requirement of treated-wood warranties*
- *Certify that treated wood will provide long-term performance*

Two levels of QC procedures

- Internal QC at production level
- Inspection with certification by an independent third party agency

Preservatives, equipments, treating solution, process, record and document, post treatment visual inspection.....

Comparison of third-party inspection between China and USA

- **In the USA ,According to statistics, about 80% to 85%of treated-wood has been carried out the third-party inspection certification every year**
- **In China , there are no official requirements for the third-party or authoritarian organizations to inspect the commodities. Few of the customers have been aware of and request the third-party inspection**

Reasons for the slow progress of China's QC Procedure

- **The absence of the governmental laws and national compulsory standards , especially in wood preservation administration**
- **The lag of an integrated system of quality assurance and inspection**
- **Products quality has not been emphasized adequately by facilities and other involved**
- **Lack of the knowledge and engineers about quality control**
- **The inspction instruments is too expensive**

China's key standards for wood preservation industry

NO	Title	Code
1	Preservative-treated wood	GB/T 22102-2008
2	Specification for production of preservative-treated wood	GB 22280-2008
3	Mark of wood and wood products in Trading	SB/T 10383-2004
4	Determination of Active components in waterborne preservatives and fire-retardants	SB/T 10404-2006
5	Methods for wet ashing procedures for preparing wood for chemical analysis	SB/T 10405-2006
6	Wood preservatives— Ammonical Copper Quats (ACQ)	SB/T 10432-2007
7	Wood preservatives— Chromated Copper Arsenate (CCA)	SB/T 10433-2007
8	Wood preservatives— Copper Boron Azole-Type A (CBA-A)	SB/T 10434-2007

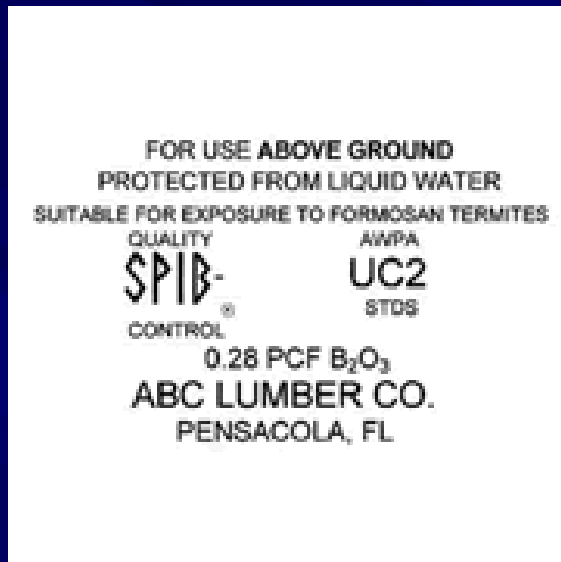
China's key standards for wood preservation industry

9	Wood preservatives—Copper Azole-Type B (CA-B)	SB/T 10435-2007
10	Wood preservative-treating vacuum/pressure impregnation equipment set	SB/T 10440-2007
11	Wood preservatives	LY/T 1635-2005
12	Use category and specification for preservative-treated wood	LY/T 1636-2005
13	Thermo-modified wood	
14	Ammonical copper quats(ACQ) pressure-treated wood	
15	Chromated copper arsenate(CCA) pressure-treated wood	

Accredited agencies

- Southern pine inspection bureau(SPIB)
- Timber Products Inspection, Inc. (TP)
- Canadian softwood inspection agency(CSI)
- Bode inspection(BD)
- PFS corporation
- Northern softwood lumber bureau(NSLB)
- Northeast lumber manufacturer's association(NeLMA)

Quality mark



- 1 logo of agency ,
- 2 applicable standard,
- 3 year of treatment,
- 4 preservative,
- 5 retention,
- 6 exposure category ,
- 7 company name and location,
- 8 post treatment

Q C laboratories in China

- China wood protection quality supervision and test center (third-party)
- Guangdong Forest Research Institute (third-party)
- Shanghai Dabutong Wood Protection Science & Technology Co.,Ltd(internal QC)
- Dongguang Taibao Science & Technology Co.,Ltd (internal QC)
- Yintan Preservative Wood Factory of China Railway Material General Co.,Ltd(internal QC)

Countmeasures

- The government, industry association and the enterprise shall cooperate together
- Formulate compulsory standards rather than recommendatory standards
- Improve the standard system
- Establish the accredited third-party inspection agencies

An Alternative Visit

The local organization committee arranged an **alternative visit** to the China wood protection quality supervision and test center



Thanks for your attention

Have a nice stay in Beijing!