

OVERVIEW OF TREATED TIMBER USE

Marine Applications In Atlantic Canada

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Overview of treated timber use

- Bruce Tuck, P.Eng.
 - Over 20 years experience in marine structures in Atlantic Canada
 - Former committee member of CSA 080
 - Personal perspective on treated timber based on experience

Overview of Treated Timber Use

- Traditionally
 - Only form of material to construct wharfing facilities
 - Round logs
 - Creosote
 - Treated Timber – ACA, CCA

Overview of Treated Timber Use

- Traits
 - Longevity
 - Forgiveness
 - Easy to rebuild



Overview of Treated Timber Use

- Difficulties With Treated Timber
 - Field Cuts
 - Creosote
 - Wearing of the surface
 - Decks
 - Fenders



Overview of Treated Timber Use

- Field Cuts



Overview of Treated Timber Use

- Unprotected Fender Piles



Overview of Treated Timber Use

- Fender Pile Protection



Overview of Treated Timber Use

- Primary uses today
 - Floats
 - Tourism attractions
 - Personal wharves
 - Boardwalks



Overview of Treated Timber Use

- Floats



Overview of Treated Timber Use

- Tourist Attractions



Overview of Treated Timber Use

- Personal Wharves



Overview of Treated Timber Use

- Boardwalks



Overview of Treated Timber Use

- Downfall of Treated Timber
 - Voice of concern is loud
 - Industry voice silent
 - Failed to complete background checks in harbours prior to installation of treated timbers

Overview of Treated Timber Use

- Downfall of Treated Timbers
 - Vessels larger
 - Environmental concerns
 - Improvements in other materials
 - High strength concretes
 - Longer galvanizing beds

Overview of Treated Timber Use

- Today's Trends
 - Improvements in other materials
 - Improvements in technologies
 - General trend away from treated timbers



Overview of Treated Timber Use

- Trends in Small Dock Construction



Overview of Treated Timber Use

- Trends in Small Dock Construction



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Overview of Treated Timber Use

- Trends in Small Dock Construction



Overview of Treated Timber Use

- Downfalls - global perspective
 - Vessels getting bigger
 - Traffic getting heavier
 - Advances in other materials
 - Environmental awareness

Overview of Treated Timber Use

[Forest Lands Coverage](#)

[Product Shifts](#)

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[The Home Depot Companies](#)

recycled materials.

If a product at The Home Depot claims it has environmental benefits, you can be sure it does because we require manufacturers to submit their products to [Scientific Certification Systems, Inc](#) to evaluate the accuracy of all claims.

■ Green Products List

The Home Depot offers many products that are environmentally sound choices for consumers. A few examples include:

- Finger-jointed moldings, casing trim and door framing that use smaller wood pieces leading to increased wood efficiency
- Paneling backed with chipboard that uses waste and falloff from manufacturing processes
- Royal Mahogany doors from an FSC certified forest in Costa Rica
- Plastic and composite decking materials
- Insulation made from recycled glass or recycled newspapers
- Garden hoses made from recycled tires
- Flooring underlayment made from recycled newspapers
- Garden planters made from recycled shrink-wrap
- Energy-efficient compact fluorescent bulbs
- Biodegradable, enzyme-based drain cleaners

Overview of Treated Timber Use

- Summary
 - Trends in the use of Treated Timber
 - Recreational/Boardwalk facilities
 - Surficial marine applications
 - Fenders
 - Wheelguards
 - Slowly being replaced with other materials

Overview of Treated Timber Use

