

WOOD SPECIES

Woodstone will use any wood species that is available and maintains the proper characteristics necessary for the acceptable function of any given unit. Of course, there will always be wood species that are not available at a given point in time due to political, environmental or other supply considerations. While most wood species are usually available, costs are determined on a project by project basis.

Some commonly used wood species, listed with Resistance to Decay Ratings from the U. S. Forest Products Wood Engineering Handbook, include but are not limited to, the following:

Softwoods:

- Northeast White Pine, *Pinus strobus*, Moderately Resistant
- Western Sugar Pine, *Pinus lambertiana*, Moderately Resistant
- Western Ponderosa Pine, *Pinus ponderosa*, Moderately Resistant
- Cypress (Old Growth), *Taxodium distichum*, Very Resistant
- Cypress (Young Growth), *Taxodium distichum*, Moderately Resistant

Hardwoods:

- Ash (White), *Fraxinus americana*, Slightly Resistant
- Cherry (Black), *Prunus serotina*, Very Resistant
- Mahogany (South American), *Swietenia macrophylla*, Very Resistant
- Mahogany (Philippine or Red Lauan), *Shorea negorsensis*, Moderately Resistant
- Mahogany (African or Khaya), *Khaya ivorensis*, Moderately Resistant
- Red Oak (Northern Red), *Quercus rubra*, Slightly Resistant
- White Oak, *Quercus alba*, Very Resistant
- Walnut (Black), *Juglans nigra*, Very Resistant
- Teak, *Tectona grandis*, Very Resistant

THE ENVIRONMENT

Woodstone's commitment to environmental responsibility is made possible by the uniquely flexible nature of our product. Our manufacturing process is virtually waste free. Our lumber is used in energy efficient windows and doors that are designed to last longer than the trees from which the wood is harvested. Program optimization techniques insure that wood waste is reduced to the lowest volumes possible.

Furthermore, all remaining wood waste is processed into fuel that powers our shop more cleanly and efficiently than oil or natural gas. The trees that are harvested and used in our windows and doors have converted more carbon dioxide into oxygen through photosynthesis than is released into the atmosphere through Woodstone's biomass gasification process actually reducing the effect on global warming.

If you are concerned with the depletion of tropical rain forests or our old growth western forests, Woodstone offers a variety of indigenous species including Northeast White Pine, Cherry and White Oak. The flexible use of wood species offers a wide range of beauty, hardness, strength, resistance to decay, economy and sustained availability.

If you have environmental concerns, do not hesitate to request alternatives.