IAR Library: 09.64.00 Ha 2009 <u>FLOORING</u> <u>09.64.00</u> <u>2009</u>

| PRODUCT | TYPE OF PRODUCT | |
|--------------------|--|--|
| INFORMATION | | Wood Flooring |
| | COMPANY NAME | American Hardwood |
| | PRODUCT/COLLECTION NAME | Sustainable Solutions |
| | DESCRIPTION | Sustainable hardwood harvesting promotes growth of young trees, |
| MATERIAL FEEDOTOOK | | stimulates regeneration and provides desirable wildlife habitat. |
| MATERIAL FEEDSTOCK | MATERIAL CONTENT RECYCLED CONTENT % | Hardwoods 0% recycled content |
| | RAPIDLY RENEWABLE CONTENT | They are FSC Certified |
| | % | |
| | HARMFUL ADDITIVES | None |
| | HARMFUL EMISSIONS | None |
| | EMISSION STRENGTH OVER TIME | None |
| | TREATMENTS | Low-VOC finishes can be used to protect the aesthetic appearance and |
| MANUFACTURING | MANUFACTURING PROCESS | performance of American hardwoods. |
| | | Distributor? International |
| | | Sent to importer by ship Sent to distributor by truck |
| | | Distributor/importer sells product to the commercial buyer |
| | | The process of converting timber into usable building products requires considerably less energy than most other materials. Research in Australia provides an indication of the scale of the energy savings to be derived by using timber in place of other materials |

| | | Low energy during manufacture combined with the carbon sequestration |
|---------------------|-------------------------------------|--|
| | | properties of timber products mean that these are the only mainstream |
| | | construction products that can actually contribute to overall reductions in |
| | | carbon dioxide concentrations through their increased use. |
| | HARMFUL EMISSIONS | Does the material offgas ozone depleting gasses [CFCs HCFCs]? What is the VOC content? |
| | | Does the material contain PVC that can result in the release of PBT toxins |
| | | during manufacture process and lifecycle? |
| | LOCATION OF MANUF. PLANT | Is the material manufactured locally? Within a 500 mile radius? [LEED] |
| | | Are the raw materials extracted locally? Within a 500 mile radius? |
| | | Are toxins released during the extracting process? |
| | TESTS/CODES | N/A |
| | 3 RD PARTY CERTIFICATION | FSC Certified |
| | | The RPP is the first step in a process of progressive development of |
| | | systems and procedures designed to ensure that American hardwoods |
| | | continue to be accepted in the market place over the long term as |
| | | conformant to the highest sustainability standards. |
| INSTALLATION | INSTALLATION PROCEDURE | N/A |
| | INSTALLATION ADHESIVES | N/A |
| | UNIT COST | A |
| | LIFE CYCLE ANALYSIS | This direct contribution of America's hardwood forests to carbon |
| | EXTRACTION | sequestration excludes the carbon held in long term storage as a |
| | | component of American hardwood products. With useful lives spanning |
| | | generations, furniture, flooring, cabinetry and trim crafted of American hardwoods act as an additional carbon store for many decades. |
| | END OF SERVICE LIFE | Hardwood components needing to be disposed are biodegradable and |
| | | non-toxic. |
| | | At the end of a building's life span, many hardwood components are re- |
| | | useable and recyclable |
| MISC. PROPERTIES | QUALITIES/PROPERTIES OF PRODUCT | Yes-The different woods have different durability. |
| | MISC. COMMENTS | Most pre-machined flooring is bundled to thickness and width and in |
| | MISC. COMMENTS | random lengths. For strip flooring produced to the NOFMA rules, |
| | | individual bundles will be stamped with the appropriate quality mark. |
| | | Bundles are strapped and palletised to assist with handling, and some |
| | | may be wrapped in polythene for protection. |
| | CONTRIBUTION TO LEED POINTS | Which points does the material contribute to in the following LEED |
| | | categories: Sustainable Site, Water Efficiency, Energy and Atmosphere, |
| | | Materials and Resources, Indoor Environmental Quality |
| COMPANY PROFILE | GREEN PHILOSOPHY | No other country can boast the success the Americans have had in the |
| | | sustainability of its hardwood forests. Because of the intensive application |
| | | of Best Management Practices (BMP), the hardwood forests in America |
| | | not only support a vibrant healthy stand of timber, but also huge |
| | | populations of wildlife, clean rivers and streams, and a host of recreational |
| | | activities. From the late 18th Century to the early 20th Century, the |
| | | eastern forests of the USA were heavily cut, first for land clearance for |
| | | agriculture and housing, and later for mining, railways and other industrial |
| | | uses. The last 80 years of improved forest management and state and |
| | | federal regulations, together with greater silvicultural understanding and |
| | | public desire to conserve forests, have resulted in a dramatic recovery in |
| | | American hardwood resources. For example, according to data from the |
| | | US Forest Service, the net volume of hardwood growing stock in the USA |
| | | increased from 184,090 million cubic feet in 1953 to just under 400,000 |
| | 0017407 | million cubic feet in 2007. |
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| MAINTENANCE | AFTER INSTALLATION | N/A |