



Ecwood Solutions Playground Safety Surfacing Product Specifications

PlayZone, our 'Engineered Wood Fiber' playground safety surfacing is an 'impact attenuation' (fall-cushioning) product that is manufactured using a proprietary process to ensure that it meets or exceeds the impact-absorbing requirements of ASTM 1292 as required by the US Consumer Product Safety Commission. It is made from 'virgin' lumber, meaning that the feedstock has not been subjected to chemicals, coatings, glues, or lamination. Random specks of harmless, water-soluble food-coloring -- used to mark grades of wood in the lumber industry -- may be visible, and will naturally wash and weather away. Unlike other products, our safety surfacing is not made with sawmill waste, but from a blend of cured lumber material.

Our IPEMA-certified wood fiber playground safety surfacing has been installed on thousands of playgrounds over the last decade.

Key Benefits:

- Optimum Impact Attenuation – It's like landing on a mattress!
- Long Product Life -- Only cured, kiln dried, heat-treated lumber is used. Sawdust is sifted out to allow healthy aeration and deter composting.
- Excellent Handicapped Accessibility.
- Clean, healthful, natural wood – No chemicals.
- No hazardous chunks or points – Our material is designed with children in mind!

Manufacturing:

PlayZone, EWF playground surfacing, is manufactured in our company owned and operated facilities. No subcontractors are used and stringent process controls are strictly maintained.

Materials:

Our raw material is cured, kiln-dried and heat-treated lumber from clean, healthy American hardwoods and conifers. This lumber is entirely different from common sawmill waste which could result in mold, fungus, insects, bark, dirt and other contamination which would lead to rapid composting.

Storage:

All of our inventories, from rough lumber to finished product, are stored on well-drained pavement. We do not store our product on soil at any time, preserving its integrity at every step.

Technical Specifications:

- *PlayZone* engineered wood fiber safety surfacing meets or exceeds the requirements of ASTM F 1292 for impact attenuation.
- *PlayZone* engineered wood fiber safety surfacing meets or exceeds the requirements of ASTM F 2075- for 'tramp metal' contamination.
- 99.5% of the particles will not exceed 2.5" in length, 0.5" in width, and 0.75" in depth.
- Moisture absorption, and absorption combined, will not exceed 75% by weight. Coefficient of permeability is greater than .6 cm per second.
- We handle our product by volume (measured in cubic yards) rather than by weight because humidity will affect weight by volume depending upon weather conditions.
- From concept, through engineering, and by skilled, conscientious craftsmanship, *PlayZone* playground surfacing is a product designed with children's safety in mind.